

GAMES

Dear Mom & Dad, With Warm Regards on Your Day.
(How Many Mothers and Fathers Are Apparent Here?) Answer, page 64.



New Wave Of Smoker Research Just In:
MERIT smokers acclaim low tar option as
taste alternative to high tar brands.

"Best Tasting Low Tar I've Tried."

**MERIT smokers rate low tar MERIT satisfying
taste alternative to high tar brands.**

New national smoker study results prove it.

Proof: The overwhelming majority of MERIT smokers
polled felt they didn't sacrifice taste
in switching from high tar cigarettes.

Proof: 96% of MERIT smokers
don't miss former high tar brands.

Proof: 9 out of 10 enjoy smoking as
much since switching to MERIT, are
glad they switched, and report MERIT
is the best tasting low tar they've
ever tried.

**Smokers find the taste of
low tar MERIT matches that
of high tar cigarettes.**

New taste-test results prove it.

© Philip Morris Inc. 1979



Proof: A significant majority of smokers rated
MERIT taste as good as—or better than—leading
high tar brands. Even cigarettes having twice the tar!

Proof: Of the 95% stating a preference
when tar levels were revealed,
3 out of 4 smokers chose the MERIT
low tar/good taste combination over
high tar leaders.

You've read the results. The
conclusion is clearer than ever:
MERIT delivers a winning combination
of taste and low tar.

A combination that seems to be
attracting more and more smokers
every day and—more importantly—
satisfying them *long term*.

MERIT

Kings & 100's

Warning: The Surgeon General Has Determined
That Cigarette Smoking Is Dangerous to Your Health.

Kings: 8 mg "tar," 0.6 mg nicotine—
100's: 11 mg "tar," 0.7 mg nicotine
av. per cigarette, FTC Report May '78

Now you can create country fresh air in your home or office. And also watch cigarette smoke, pollen, dust, and other airborne particles disappear from your environment, for less than three cents a week.

All it takes is a small 2½ pound pollution fighter named Ionosphere™. Which, we're convinced, is the most superbly engineered under \$200 air ionizer on the market today. Bar none.

The Sharper Image is offering Ionosphere through the mail for just \$89.

Ionosphere purifies the air you breathe more efficiently than any fan, exhaust unit or conventional filter system by creating a negative electrical field. One 4-inch unit will ionize up to 250 square feet, or an average 12' x 20' room. This negative charge acts on floating particles—even invisible ones—causing them to cluster, fall to the floor or adhere to nearby surfaces. The air becomes pure, feels almost "washed." And Ionosphere is so efficient it requires no fan or other moving parts to disperse these ions.

You probably have experienced this fresh-air feeling before. In nature, negative ions are continually recreated by the dynamic action of the sun, rain and lightning. It's why air smells sweet and invigorating after a thunderstorm, or deep in a forest.

Born in academia.

Major ion research has been conducted at the University of California, Berkeley. Ion Systems, Inc., a private company, was founded to manufacture ionizers to the rigorous standards of this research community. Headed by senior engineer D.A. Gehlke (formerly with the government's Polaris Project), I.S.I. has built almost every hospital ion system in the U.S. Their new portable Ionosphere is constructed with this same level of integrity.

Ionosphere's electronics are both superb and unique. It is the only ionizer that uses "passive multi-stage" circuitry for its noiseless and noninterfering output (many units are known to affect radio reception). Most other units use a "vibration" mechanism, which causes clicks, pops or an annoying high-pitched whine.

The circuitry is embedded in epoxy resin, then encapsulated in an impact-resistant sphere—a solid seamless ball of fine ceramic tile. Hermetically sealed, it is protected from the moisture that inevitably reduces the performance of competitive units.

We know of no other company that takes such pains in producing their product.

Other significant differences? For one, a vastly superior ion emitter than you'll find elsewhere. This easily removable element is made from surgical stainless steel bristle, not the more commonly used copper "fuzz" or nickel-plated points. (These have short life spans, do not clean easily, and in short time lower their output.) The Ionosphere's emitter will last a lifetime, and cleans easily under hot water.

On other units, you'll also find inexpensive plastic cases. When exposed to a high voltage field, these petrochemicals can be converted to a harmful gas. But Ionosphere's tile case is completely safe.

More ions aren't necessarily better.

One 4" Ionosphere generates approximately 3.8 trillion ions every second. Unlike other units which produce an excessively high output (at the source only), the Ionosphere creates a more *naturally* balanced ion environment. You should also avoid units without stated levels of ozone production (Ionosphere is among the lowest).

Why do we need ionizers at all?

Urban life has upset the natural electrical balance of the air. Modern conveniences like heating, air conditioning, telephones and televisions greatly deplete negative ion levels, robbing the air of its natural cleansers. This is also why we feel uncomfortable under fluorescent lights.

Ionosphere restores this balance in just minutes. The air smells good again, even after smoking.

And, as a result of its work, you may need to clean your walls in a year or so. But be glad that same soot was kept out of your lungs.

Try one, or order a system.

The \$89 Ionosphere comes in white (#946) or black ceramic (#945). Or you may expand your fresh air environment at an \$18 savings—with three units at \$249; 2 white, one black, (#947). Either way, you can experience the freshest air you've probably ever breathed, without obligation. Ionosphere comes with full instructions and a one year warranty. And if you're not delighted, simply return your order within two weeks for a prompt and courteous refund.

ORDER NOW TOLL FREE.

Credit card holders may call the toll-free ordering number, seven days a week, anytime. Please have the product number ready. Or send your check, adding sales tax in CA (5.34 for one, 14.94 for three). Plus \$3.50 delivery. Please order now to insure early delivery.

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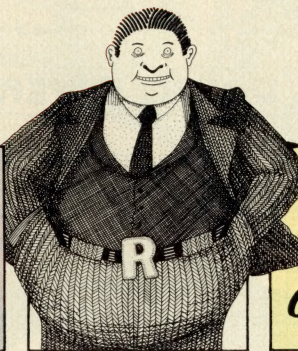
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Difficulty Rating: **Smooth Sailing:** ★ **Uphill Climb:** ★★ **Proceed at Your Own Risk!** ★★★ **Mixed Bag:** ★☆

Cover Collage: Dennis Pohl

Editor's Message



This time of year, when everything is calling "come on out and play," we often find ourselves aimlessly touring the countryside, in search of we-don't-know-what. We have our favorite spots, but none so striking as the bridges over streams or rivers, where the movement of the water seems to ask *where from? where to? how is this?* In one mood we might just take off our clothes and jump in. But sometimes we're moved to explore the river's mysteries in a more abstract way. And thus is born the game and pastime of Doing Rivers.

This great but little-known passion proceeds something like this: 1. You decide either to go upstream or downstream. 2. The fundamental rule is to *find and cross every bridge*. This is the only sure-fire way to track a river while traveling on public roads, which often stray miles from its banks. 3. Move like a snake. First, make all right turns that you can while keeping the river on your right. Eventually you will cross a bridge. Then make all left turns while keeping the river on your left, and so on. 4. You never use a map when you're Doing Rivers. 5. Apart from the problem of distances (depending on your mode of travel and where on earth you happen to be, they are sometimes formidable), the ultimate challenge in going downstream is to reach the ocean, and in going upstream to find the most significant source, usually a lake, spring, glacier, factory, etc. 6. The direction of the current is an essential guide. If you are traveling downstream, for example, and you cross a stream whose current is moving in the opposite direction of what you'd expected (say, left-to-right rather than right-to-left), you've crossed a tributary and not the main stem. So you should continue making your turns in the *same* direction until you cross the next bridge. Otherwise you will soon be following the tributary upstream rather than the main stem downstream, and you will have lost the game, not to mention your bearings. 7. For this reason and others, traveling upstream is generally more difficult and more satisfying than traveling downstream. (Ask any salmon.) Because you can never know whether you are crossing a tributary or the main stem, you have to use your wits and ask yourself, for example, "Could this miserable little trickle be the torrent I crossed three miles back? Obviously not! *Avanti!* Keep bearing right, in the direction of the dull roar!" But sometimes two or more streams of roughly equal size will join to form the main stem. You may be lucky enough to get a glimpse of their junction from the road, but sometimes you'll just have to guess which one is biggest. La Salle must have faced this problem in determining which of the rivers that are today called Ohio, Missouri, and Upper Mississippi, was the true Mississippi. Judging from the length of the three, we may conclude that he erred at St. Louis though not at Cairo. When Lewis and Clark reached the three forks of the Missouri at modern-day Three Forks, Montana, they simply copped out and gave all three a new name.

The joys of Doing Rivers are many. There's the challenge of solving a great maze and the pleasure of communing with nature even where she has been asphalted over and turned into green sludge. Too, there are wonderful events like stumbling upon a truly awesome waterfall in the slums of Paterson, New Jersey, or realizing that the major source of the Passaic is that pond in your friend's backyard, or seeing for yourself *why* Newark became a commercial hub in early times. Indeed, New Jersey's rivers are surprisingly good to do because they are so short and so variegated in scenery. But if we ever get the chance, we'd love to head upstream from New Orleans one day, and you can be sure we won't stop when we get to Three Forks.

Michael Donner

GAMES

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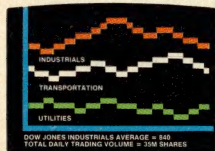
Do what? Just about anything. Your imagination is the limit. And, nobody knows this better than ComputerLand.

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INTEREST RATE			11.00% PER YEAR
COMPOUNDED MONTHLY			
MONTH	INTEREST	PRINCIPAL	BALANCE
1 JAN	9.17	90.83	890.83
2 FEB	9.17	90.83	800.00
3 MAR	9.17	90.83	709.17
4 APR	9.17	90.83	618.34
5 MAY	9.17	90.83	527.51
6 JUN	9.17	90.83	436.68
7 JUL	9.17	90.83	345.85
8 AUG	9.17	90.83	255.02
9 SEP	9.17	90.83	164.19
10 OCT	9.17	90.83	73.36
11 NOV	9.17	90.83	-18.47
12 DEC	9.17	90.83	-109.64
PAGE TOT	\$2.42	1144.57	10.61
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QUIT	END	END	END

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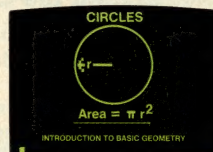
as you'd like to be, starting with your own personal computer at home is a good way to get involved.

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that's being used more and more in the classroom. So having an **Apple** computer in the home is like having your own private tutor.

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LETTERS

Hide and Seek: Our Mystery Contest

At first, I thought your hidden contest (March/April, page 3) might be to name the stars in the Son of Fountain Pen ad, but since I could only identify four of them, I gave up. Then I came to "What's Wrong with This Editor's Message" and I had a field day. Besides the omission of a question mark in the title and the rampant punning, Mr. Donner mentions that three surprises appear in this issue, and then alludes to a *fourth* . . . well, you're right about one thing. Assuming that I've found it, I don't know what to do with it.

Jan Streilein
Johnstown, PA

Very entertaining! I wasted an entire evening looking for your hidden contest in all the small print—and even tried to decipher a code in the Editor's Message and Gamebits!

Linda Kennedy
Brook Park, MN

My answer to your hidden bonus contest is that there is no contest—April Fool!

Vin Bartone
Centreville, VA

Could it be the credit to "Peculiar Productions" in the Editor's Message?

Marci Maleski
Pittsburgh, PA

I was paging through my new issue of *Games*, searching for the hidden contest, when I came at last to "Instructions to Contributors." Reading it quickly, I thought, those guys must really need contributions . . . until I came to "Avoid clichés like the plague." When I realized that each sentence contained the mistake to which it alluded, I knew instantly that something screwy was going on, and that *this* was the surprise contest I had searched for all afternoon. What a sneaky way to get me to read every word and advertisement in *Games* (I do anyhow).

Andrew T. Johnson
Euclid, OH

"If yours is the 1st" April Fool's gag I've fallen victim to since childhood, then my wish for 26-Across is that the 7-Down will 78-Down with 55-Down and leave you to 69-Across at your 4-Down future.

So please, 58-Down 97-Across that I may 75-Across my victory. Could this be more 11-Down?

W.A. McKenzie
White Bear Lake, MN
The references to clues translate as follows: "toi" (you, in French); "Mafia"; "attack"; "tanks"; "moan"; "dreary"; "remit"; "A Games T-shirt"; "savor"; and "terse". For the solution to the hidden contest, see Answer Drawer, page 64.—Ed.

Spurious "St. Sabash"?

Methinks nothing ever happens on "St. Sabash" (March/April, page 40) because it doesn't exist. Sounds like a nice place though with its shark-infested waters and Lenten booking.

Tim Faff
Arnold, MD

And how about the snow-capped mountains? By the way, don't miss this issue's fake ad on page . . . well, that's for you to figure out.

—Ed.



Stating the Case

Your most recent Word Row, "Geography Made Easy?" (January/February, page 55) showed us what Dmitri Borgmann did when left to his own mnemonic devices. Here are my best efforts at ensconcing states and their capitals in sensible sentences. As in Borgmann's examples, the cities precede the states. Can you find them?

- I teach art for dope, but if I can connect, I cut class.
- The frank forty-year-old baby sitter had spoken: "Tuck yourself in."
- No hobo is eager for someone to raid a hobo haven.

Betty Kiefer
Milan, MI

Answer Drawer, page 62

If the Seuss Twists

Loved the prize winners in your Tongue Twisters Contest ("Things That Go Bump in Your Mouth," March/April, page 64).

Your readers might enjoy this gem from a new collection of tongue twisters by Dr. Seuss, *Oh Say Can You Say?* (Random House):

If you like to eat potato chips
And chew pork chops on clipper ships,
I suggest that you chew
A few chips and a chop
At Skipper Zipp's Clipper Ship
Chip Chop Shop.

Naomi Quill
New York, NY

When Does a Quarter Equal a Half? And Other Technicalities

The answers to "Eye Q Test" (January/February, page 16) indicate that a quarter moon is present in the picture. However, what is shown in the picture is a crescent moon. A quarter moon is one in which the dividing line between the dark and light portions of the moon is a straight line, thus showing as lit half the disc of the moon. It gets its name from the fact that it occurs one quarter of a month before and after new moon phases.

Charles Kluepfel
New York, NY

You're right in a way; but then a "half moon" would be the whole moon, and a "full moon" no moon at all.

—Ed.

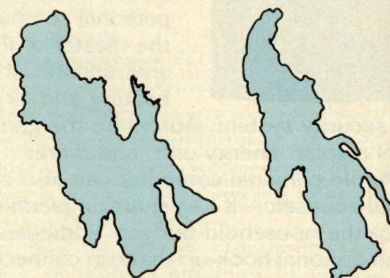
Clue number 5 of "Gold Nuggets" (March/April, page 27), "hay fever source," with "goldenrod" as the answer, is in error. Ragweed, not goldenrod, is the source of hay fever.

Ronald E. Charlton
Bridgeville, PA

The association of goldenrod with hay fever is a widely held misconception. As folklore, where false is often true, it was nothing to sneeze at.—Ed.

I must protest your answer to Mappit outline number 9 (January/February, page 45). Great Salt Lake? No way! The diagram on the left is a tracing of the Great Salt Lake from the state map of Utah in the *Hammond Medallion World Atlas*. On the right is your outline number 9. Admit it, guys, you goofed.

Perry G. Brown
Bayside, NY



Because the Great Salt Lake is shallow, the distinction between "lake" and "salt flats" varies with the level of water in the lake. As a result, it is hard to find two maps of the Great Salt Lake that are exactly alike.—Ed.

Poetic License

You left out one of my favorite license plates in "Who Am I?" (March/April, page 52). Which California comic sports this plate?

X QQQ ME

Miles Klein
East Brunswick, NJ

Answer Drawer, page 62

Re: your Balderdash Contest (January/February, page 52): Did you know that Thomas Edison proposed marriage to Mina Miller in Morse Code? She answered: **--- -/./...!!!**

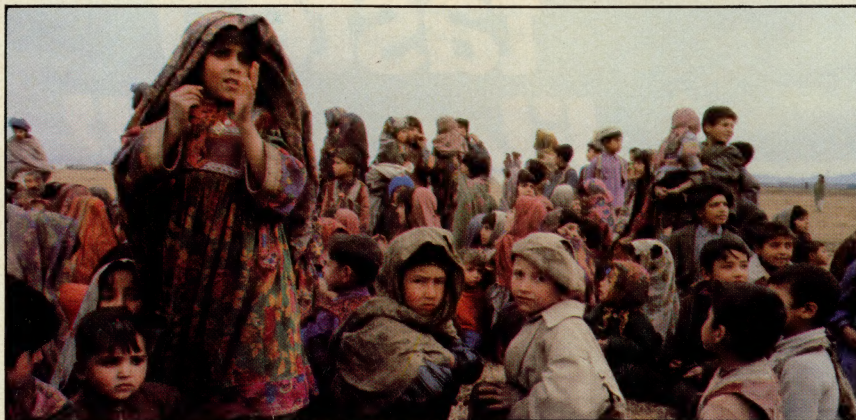
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The dots and dashes on the sides of the coupon were random letters, expressed in Morse Code, but the messages in these two letters are not. For a translation, see Answer Drawer, page 62.—Ed.

Pam Herzog
Benton Harbor, MI

G A M E B I T S

Photo by Jim Sheldon



The child is father of the man: Afghan refugees near Peshawar, Pakistan.

GAMES AFGHANS PLAY

(WHY THE RUSSIANS HAVE THEIR HANDS FULL)

Mountain people have always gotten strange press from lowlanders, who build cities and write books on etiquette. That fact is again being driven home in the current news reports from Afghanistan, which seem to rely almost exclusively on the words "tough" and "fierce" to describe the people of that country. You can't help asking, "Who are these macho men? How do they get that way?"

Some answers can perhaps be found in a U.N. "Year of the Child" book, *Common Afghan Street Games*, by Nico van Oudenhoven. Reading the book, you notice that most of the games (such as tag, running bases, hot potato, and twenty questions) are played in both America and Afghanistan under virtually identical "rules." But Afghan children also add bizarre twists to some familiar games, and play others that nearly defy description.

Take, for example, their version of "Simon Says." As you expect, the leader gives deliberately confusing instructions, trying to get players to make mistakes. It's just the way the instructions are phrased that seems a bit unusual: "Anyone who does such-and-such" (or doesn't do such-and-such) "is untrue to his religion." If you mess up, not only are you out of the game, you are a blasphemer—akin to terminal cooties in a country where more than 99 per-

cent of the people are Muslims.

Other sorts of play promote the development of physical dexterity and the ability to ignore pain. A good example is the wrestling game in which two boys grab a hold of each other's ears and try to make their opponent let go first. Ouch. Then there are games, such as "Little Fly," that teach the twin virtues of patience and fatalism: each child licks a piece of candy, lays it on the ground, and waits. When a fly lands on one of the pieces of candy, the game is over, and the lucky owner gets to keep all the slightly used candy.

Living in a poor country, Afghan children have to invent their own playing equipment. In the popular *kulāā jangī*, for ages four and up, two boys stand a foot apart, bend down, and lunge repeatedly at each other, cracking heads. The first one to quit "loses." It should be pointed out that in America, only older boys play this game (known as the "West Point Drill"), and then only with padded helmets.

Finally, for sheer spunk, consider "Castigation," in which the person who is "it" is bound hand and foot, and thrown to the ground. The other players kick at him while he tries to spit on them. If he succeeds in spitting on another player, that unfortunate becomes "it," is bound hand and foot and thrown to the ground so the other players can try to kick him.

If that's the *children's* idea of fun, we'd hate to be Russians playing for keeps with their big boys.

—J.A.

LIFE'S LONG SHOTS

If you want to know your chances of being struck by lightning, making Harvard Medical School, or virtually anything else, consult Richard Scammon's book, *The Odds* (Putnam's). This leading demographer handicaps nearly 400 events, offering the statistical probabilities of their occurrence. Consider how the odds stack up against you in the following:

- 5.2—1 against striking oil or gas.
- 63—1 against being chosen a Dallas Cowboys cheerleader.
- 422.7—1 against becoming a millionaire.
- 889—1 against hitting a slot machine jackpot.
- 10,738—1 against a duffer's hitting a hole-in-one.
- 70,000—1 against becoming Miss America.
- 264,140—1 against losing a letter in the mail (believe it or not).
- 386,752—1 against starring on TV.
- 20,000,000—1 against winning \$50,000 in a *Reader's Digest* sweepstakes.

—C. S.

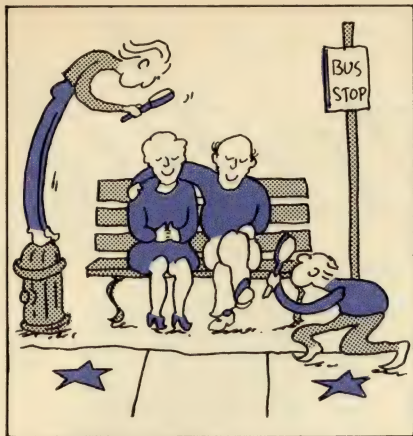
LICENSING: THE FINAL FRONTIER

Star Trek: The Movie may be a bust, but not the selling of its name. Kirk, Spock, and the baldheaded Ilia have been staring at us from, among other products, book covers (*Star Trek: The Novel*), records (*Star Trek: The Soundtrack*), pinball machines (*Star Trek: The Flippers*), even from your McDonald's burger box (*Star Trek: The Big Mac*). They don't call it the U.S.S. *Enterprise* for nothing. —C. S.



A "Star Drek" still life.

Photo by Roger Lee



THE GREAT LOS ANGELES TREASURE HUNT

This year Los Angeles is bracing itself. Not for earthquakes, not for smog alerts, not for Jerry Brown's presidential campaign, but for the fifth installment of a wild and crazy event called the Great Los Angeles Treasure Hunt.

The inspired creation of computer analyst Patrick Carlyle and stock broker Don Luskin, this by-invitation-only

game seems as simple as a Sunday drive: travel from location to location toward a final destination. But there's no advance itinerary for the excursion. The only hint at where the next stop will be is a complex word puzzle, similar to clues in British crossword puzzles.

More than 80 dedicated games players, divided into a dozen teams, crowded into Luskin's Hollywood Hills home last November for the start of the 1979 event. The smart money was on two-time winner Mike Hittleman, a ruthless player who, it was darkly rumored, was aided by a computer just slightly less efficient than 2001's Hal.

Shortly after 8:00 P.M., the first clue was handed out: a mock Hollywood gossip sheet with the headline, "What's Going On Between Jonathan Winters and Helen Twelvetrees?!!" The more perspicacious teams, realizing the comedian and actress weren't a hot item, immediately set out for Hollywood Boulevard's famed Walk of the Stars. There, the competitors scurried past bewildered tourists, up and down the two-mile Walk in a frenzied search for the elusive plaques honoring these two celebrities. One team had the pres-

ence to ask an obliging wino, whose information revealed that the two stars were on opposite sides of the street; another team noticed a couple grinning suspiciously on a bus bench "between" the plaques. The duo held the clue to the next location.

Another offbeat clue wasn't even a clue: it was a shopping list that offered a free answer to any clue to the team that purchased a half-dozen items with labels reading "just add water," "ready to use," or "with extra lids." The task proved maddeningly difficult, and left a number of all-night Hollywood supermarkets resembling Normandy Beach on D-day.

By early morning, with teams strung out across the city, Hittleman's crew received the final clue. At 5:05 A.M., nine hours after the game had begun, they reached the end of the road, a lonely call box beside an L.A. freeway. Victory was theirs.

Luskin envisions this year's event as a word game murder mystery, à la board game Clue, and the players are already gearing up in anticipation. Who says Los Angeles is a town without traditions?

—Bruce Henstell

NEWS FROM BATTERYLAND

Having recently returned from the Consumer Electronics Show in Las Vegas and the Toy Fair in New York, we are fairly well charged by the giddy optimism surrounding the electronic games industry.

There is, first of all, *more* of everything. The profusion of hand-held and table top sports games led one exhibitor to lament that there's a different computerized football game for every professional team. With this increased competition, the games are becoming more sophisticated. There is, for example, a baseball game that has six different pitches as well as bunts, foul balls, stealing, double plays, sacrifice flies, and more (Entex's Baseball 3); a boxing game with computer-graphic figures that score points for hits and get KOed (Bambino); a rather complex game of pool with angle, aim, and speed options (Parker's Bank Shot); and a "Sports Center" with overlays for playing baseball, football, and basketball on the same machine (Waddington's House of Games). Moving beyond sports, there's computerized poker, blackjack, and gin rummy, and we wouldn't be at all surprised if next year we saw electronic Go Fish or Old Maid.

Popular arcade games are finding

their way into the home faster than ever before. A hand-held version of Space Invaders (Entex) is almost as impressive as the Space Invaders cartridge for Atari's Video Computer System, which is almost as good as the coin-op original. That Atari Computer System now has more programs (38) than Baskin Robbins has flavors. But it may also have some competition in APF's Imagination Machine—a combined personal computer/video game system with wonderful color graphics, a good selection of software (both computer and game programs), and the best video baseball we've played to date.

The success of chess machines and the continuing advances in microcomputer technology have led Chafitz and Fidelity to upgrade their programs yet again. These companies now sell a wide variety of not only chess, but also backgammon, checkers, bridge, blackjack, and even reversi computers. But with the advent of Chafitz's Modular Game System, which accepts plug-in programs for different games, the individual units may become a thing of the past.

And from the folks who brought us Ken and Barbie dolls, we have the Horse Race Analyzer. Fed the info from your Daily Racing Form, Mattel's hand-held track "toy" tells you which horse has the best chance to win. Mattel also



introduces the voice-controlled game this year with Talk To It. So far, all the development has been centered on the microphone, which is able to distinguish even the voices of twins; the game itself is fairly unsophisticated. But other companies are working along similar lines, and we should be seeing many more such games in the next year or so.

What all this means for the consumer is an overabundance of choices, and a greater need to get your hands on a machine before you buy it. We'll be play-testing whatever we can get our hands on, and reporting in more detail in future issues.

—P.M.W.

CALL OUR BLUFF ★★

Encyclopaedia Botannica

*Gum Cistus is white,
Love Darts are blue.
Can you distinguish
The fakes from the true?*

—JEREMY PILTDOWN

Jeremy is once again trying to lead us down the primrose path. Which of these ten flowers do you think he invented and which are really found in nature?

Answer Drawer, page 62

The Bell Fisher,

found at the edge of ponds in South America, has a curious dependency upon fish in its reproductive process. The weight of pollen-gathering insects brings the stamen tips close enough to the water to allow fish to feed and, in so doing, to dispense seeds into the water. The seeds drift ashore and germinate in the warm, moist soil.



The Gum Cistus

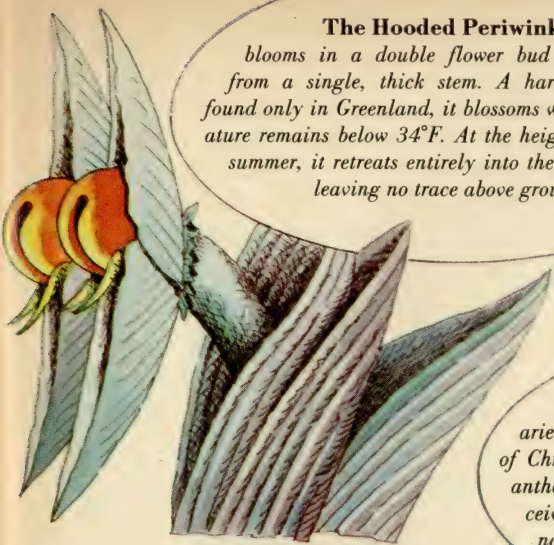
is a Mediterranean shrub that produces a sticky gum on its shoots and leaves. The resin, gathered by combing the beards of goats who browse through the shrubs, is used both in perfumes and for fumigation.



The Giant Rafflesia

of Sumatra grows to three feet in diameter and often weighs close to 20 pounds. Lacking roots, stem, and leaves, Rafflesia drops its seeds into cracks in the bark of vines—where it germinates and lives inside the host plant for a time. The flower bud pops through the bark and gives off the distinct odor of rotting meat to attract flies, its major pollinator.





The Hooded Periwinkle

blooms in a double flower bud protruding from a single, thick stem. A hardy perennial found only in Greenland, it blossoms while the temperature remains below 34°F. At the height of the Arctic summer, it retreats entirely into the cooler soil, leaving no trace above ground.

The Passion Flower

was named by early Catholic missionaries to America who saw it as a symbol of Christ's Passion. The five pollen-bearing anthers reminded them of the five wounds received by Christ; the triple style suggested the nails; the fleshy threads the crown of thorns, and the 10 petals the 10 Apostles present at the Crucifixion.



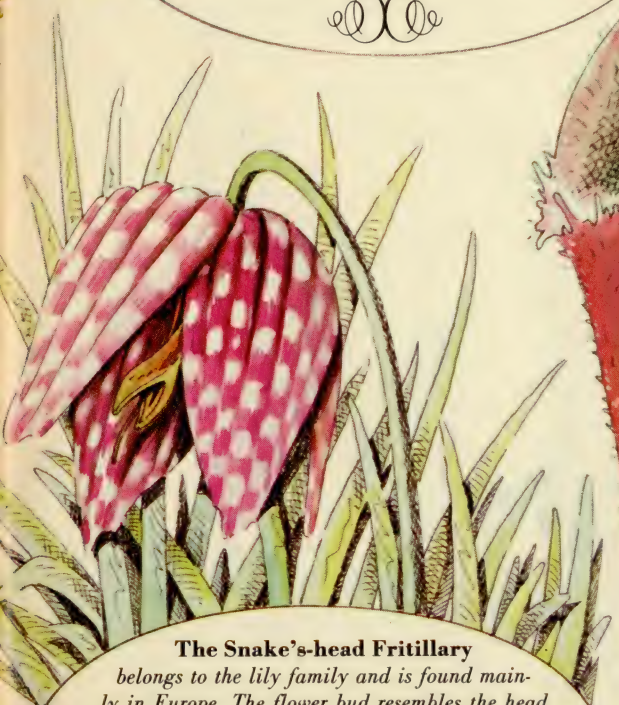
The Fireball Lily

from tropical Africa received its name because many of its varieties flower most profusely after a fire. In 1961 a new species was discovered when a fire dried up a normally marshy area. Several days later, the bright red flower buds poked through the ground after lying dormant for decades.



The Stone Plant

of South Africa is actually a pair of succulent leaves that have taken on the color, shape, and texture of stones as protection from animals. It grows rather slowly and is capable of living for more than 200 years.



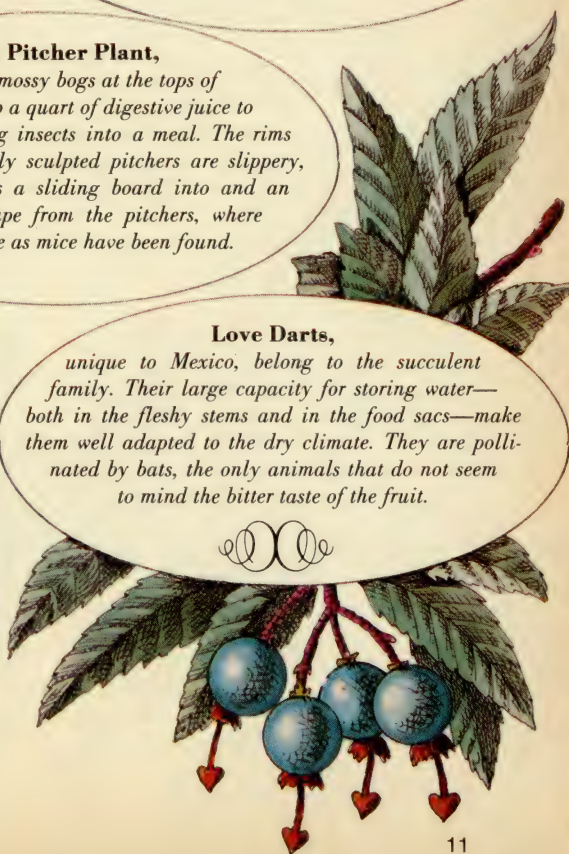
The Snake's-head Fritillary

belongs to the lily family and is found mainly in Europe. The flower bud resembles the head of a snake; the term Fritillary (from the Latin fritillus, meaning dice box) suggests the resemblance of the markings on the petals to a checkerboard.



The Pitcher Plant,

which thrives in mossy bogs at the tops of trees, holds up to a quart of digestive juice to turn pollinating insects into a meal. The rims of the beautifully sculpted pitchers are slippery, and act both as a sliding board into and an obstacle to escape from the pitchers, where animals as large as mice have been found.



Love Darts,

unique to Mexico, belong to the succulent family. Their large capacity for storing water—both in the fleshy stems and in the food sacs—make them well adapted to the dry climate. They are pollinated by bats, the only animals that do not seem to mind the bitter taste of the fruit.

RETURN 'TO SENDER



THE NEW BOOM IN BOOMERANGING

by Michael Whitener

On a grassy expanse of the Potomac Park polo field in Washington, D.C., within sight of the Washington Monument, a dozen men and women of all ages each held an arm cocked shoulder-high, with a banana-shaped stick in hand. At the command of "Launch!" the sky filled with the multicolored projectiles, fluttering like a flock of tropical birds. Moments later, each participant was either scrambling after his stick or waiting calmly for it to complete a graceful loop and descend, spinning, into his hands.

A NASA experiment in aerodynamics? A Civil Defense drill? Or perhaps the bizarre rites of some new cult? Actually, it's the annual "Now You See It, Now You Don't, Now You See It Again" boomerang tournament and demonstration sponsored each spring by the Smithsonian Institution, an event which is the focus of a burgeoning boomerang revival in this country.

Mention the word "boomerang" and most people imagine an Australian aborigine stalking a kangaroo with a hand-held projectile poised for flight. Prey sighted, he hurls his boomerang, which strikes down its target and returns

to sender. Contrary to this popular misconception, most historians believe that the boomerang was never used as a weapon, being far too light to damage any game big enough to satisfy a hungry aborigine's appetite. The confusion arose two centuries ago when British settlers in New South Wales failed to distinguish between the boomerang and the

nonreturning "throw stick," a similarly shaped object that was skimmed just above the ground at potential food.

The boomerang, it turns out, is just for fun. It probably evolved from the throw stick about 13,000 years ago, but there's no way of knowing for sure. It's not even certain that the boomerang was developed in Australia, although it's best not to express such doubts to an Australian. The throw stick was used by a number of plains cultures, notably the Hopi Indians of the American Southwest. Specimens have also been found tucked away in Egyptian burial sites.

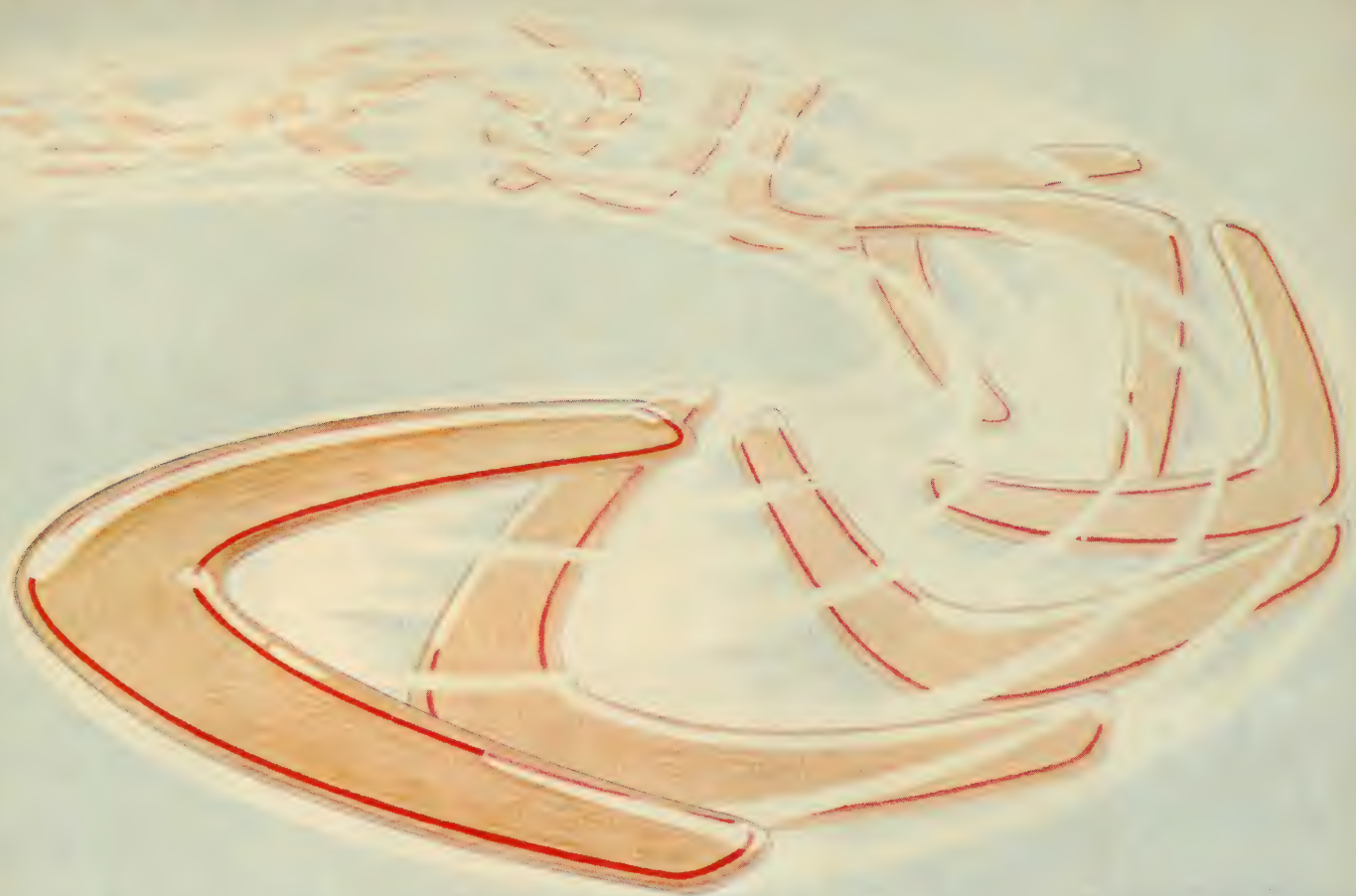
But let the scholars ponder the ancient origins of the boomerang. The attitude of today's boomeranger is reminiscent of Mark Twain's comment: "Either someone with a boomerang arrived in Australia in the days of Antiquity, or the Australian aborigines invented it. It will take some time to find out which of these propositions is the fact. But there is no hurry."

Modern-day tossers, a proud (and upwardly striving) minority, are given to wearing T-shirts proclaiming their sport "the thinking man's Frisbee." The boast seems justified. Dr. Felix Hess of the



Major Warren Lacy/U.S. Army

UFOs over DC? No, just the first wave of a boomeranging explosion.



Netherlands, the world's only "Doctor of Boomerangology," studied the peculiar stick for seven years, and even plotted its flight pattern on a computer. He found that the boomeranger must take into account all known principles of aeronautics and astronautics.

This scientific revelation shouldn't intimidate the aspiring boomerang sportsman, though. According to Ben Ruhe, impresario for the Smithsonian tournament and boomerang consultant to the National Air and Space Museum, the basic technique can be mastered in five minutes. Ruhe should know—he is perhaps the nation's foremost boomerang enthusiast, having discovered the sport while working on an Australian ranch 20 years ago. He's even written the complete book on the subject, titled appropriately *Many Happy Returns* (Viking Press), which covers all aspects of the art and science of boomeranging, including construction of your own stick.

A properly thrown boomerang, Ruhe explains, is held vertically by one end and thrown with a snap of the arm toward the horizon, as if hurling an axe. The boomerang will flatten out horizontally, climb a bit, make a wide

turn, and come back. For Ruhe, the experience is magical. "You throw this thing way out, sort of like pulling an invisible string. It flashes around in the sun, making a pulsating sound. A bird may even fly by to inspect it. Then it obediently drops down into your hand."

Once you've successfully launched a boomerang and become hooked on its

unique charm, you've joined distinctive—if somewhat eccentric—company. Richard Helms, former director of the CIA, was an avid thrower, and Ben Bradlee, managing editor of the *Washington Post*, kept a boomerang on his desk while supervising his newspaper's Watergate investigation. Dr. Lorin Hawes, formerly a nuclear physicist at Los Alamos, New Mexico, quit his job and headed "Down Under" to become a boomerang maker. There, at the sport's mecca, he tests his creations in a circular structure aptly named a "boomerangery." Hawes is the founder of the Mudgeeraba Creek Emu Riding and Boomerang Throwing Association, not to be confused with its English counterpart, the Society for the Promotion and Avoidance of Boomerangs.

Contemporary flingers, using "high tech" boomerangs, have accomplished feats undreamed of by their aborigine predecessors. For distance throwing, the most reliable record was established by Pennsylvanian Al Gerhards on October 20, 1979, at a Long Island tournament. Gerhards hurled his stick 123 yards out and back. (Claims have been made for tosses of up to 160 yards, but as it is



Modern-day tossers proudly proclaim the sport "the thinking man's Frisbee."

Lillian O'Connell/Smithsonian Institution



Sitting down on the job: comfortable, but leaves little margin for error.

often said in Australian boomerang circles, skillful liars far outnumber skillful boomerang tossers.) John McMahon of San Padre Island, Texas, purportedly caught 388 boomerangs in a row, and Australian Dennis Maxwell has made 36 consecutive one-handed catches. Englishman Howard Baker once launched right-handed and left-handed boomerangs simultaneously and brought them back for a landing between his feet, one atop the other. Sydney's Frank Donnellan, one of the greatest promoters the sport has seen (when he died, a wreath of flowers in the shape of a boomerang was placed on his grave), could put William Tell to shame by slicing an apple off his head with a boomerang while blindfolded.

The Smithsonian competition and demonstration is the place to see some of the limitless possibilities of the boomerang in action. Originally devised to attract more people to the largely unused National Mall, the event has become a "booming" success, thanks to the prestige of the Smithsonian and a growing interest in primitive cultures. It attracts experts not only from across the nation but from around the world.

Contests include throwing for accuracy, ability to catch upon return (doing it behind the back and with the feet are additional fillips), "juggling" (throwing two boomerangs repeatedly, with one kept aloft at all times), and "doubling," in which two boomerangs are launched simultaneously. The prizes for these feats include toy koala bears, aborigine boomerangs, Australian beer, and the General MacArthur "I Shall Return" trophy. According to the rules, decisions of the judges are final "unless shouted down by a really overwhelming majority of the crowd present."

Brian Peck, the Australian Embassy's First Secretary, passed out the awards at last year's tournament in place of his Ambassador, who traditionally does the honors. Peck presented to the National Air and Space Museum a boomerang made by Nevil Bonner, Australia's only aborigine senator. When Ben Ruhe tried giving the boomerang its maiden American flight, it fluttered weakly to the ground. "Must have warped in transit," Ruhe muttered.

Sipping some Castlemaine lager later in the afternoon, Peck bemusedly watched the boomerangs coursing overhead. "I'm not surprised that a bunch of Americans would embrace something like the boomerang with such vigor," he said. "We understand American enthusiasms."

If Ruhe has his way, Aussie condescension may turn to dread. He is in the process of organizing an American contingent to challenge the Australians on their own turf. And judging from the skill and dedication in evidence at the

BOOMERANGS FOR SALE

Not all boomerangs sold are capable of flight. To help you weed out the lead balloons from the round trippers, listed below are two reputable sources for first-rate boomerangs.

BOOMERANG (Box 7324, Benjamin Franklin Station, Washington, DC 20044) offers a four-page list of domestic and foreign boomerangs (compiled by Ben Ruhe), as well as books on the subject.

RUSTY HARDING (Box 2884, Vero Beach, FL 32960), a former aerospace engineer, designs and sells a number of unusual boomerangs, including a three-sided model ("Mini Tigabo") and a stick shaped like Napoleon's hat.

Smithsonian affair, the Australians have good reason to worry about retaining their boomerang preeminence: American contestants limber up and test wind direction like professional athletes, and then choose boomerangs suited to the contest and wind conditions from a collection no aborigine ever set eyes on. Not only do some boomerangs have three, four or more wings (instead of the usual two), but they are made from plastic laminates, fiberglass, and even metal, as well as from conventional hardwoods and plywoods. All this care and preparation pays dividends with rousing round-trip flights.

Not all the action was on the playing field. On the sidelines, Rusty Harding, a boomerang designer from Vero Beach, Florida, displayed a collection of tiny boomerangs weighing less than half an ounce each that he carried in a cigar box. Passing around a maple eight-incher that he claimed would fly 50 yards, Harding warned that one shouldn't "equate the size of a boomerang with its range." Harding is a purist who works strictly in wood, disdaining metals as too heavy and dangerous.

But a young man with a pile of metal boomerangs in his lap disagreed: "A wooden boomerang takes an hour to make and ten minutes to bust." He made his six-ounce boomerangs from sheet metal hacksawed and filed into shape. How does he catch them? "Very carefully," he replied, exhibiting his scarred hands.

Eric Darnell of Vermont, who makes woodburning stoves as well as boomerangs, demonstrated what could be the wave of the future—a polypropylene boomerang filled with a phosphorescent liquid: "You can throw it 'round the clock." Darnell's hobby used to be wooden model gliders, but he switched to boomerangs because "you don't have to chase them as far."

In the wake of the triumph of the Smithsonian tournament (scheduled this year for June 14), regional gatherings of boomerang aficionados have been organized in Massachusetts, Vermont, New York, Maryland, Oregon, and Louisiana. Cottage industries dedicated to boomerang manufacture are sprouting up across the country, and researchers, delving into the patent history of boomerangs, hope to gain insight into previously tested designs.

But the sport won't really take off until a Henry Ford-type arrives on the scene with a mass-produced, high-performance plastic number. When that happens, the boomerang may become as American as apple pie and the Frisbee. □

A free-lance writer living in Arlington, Virginia, Michael Whitenor tosses his own boomerangs at every opportunity.

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2. Enter as often as you wish, but each entry should be mailed separately to: Pinch "Great Shapes Sweepstakes," P.O. Box 2789, Westbury, New York 11591. Entries must be received by July 31, 1980.

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What's Wrong with This Map?



Our Art Department was halfway through drawing a map of the 50 United States and their capitals when disaster struck: a bottle of ink spilled all over the atlas they were using as a guide. Determined to make the morning deadline anyway, they decided to go ahead and complete the map—from memory.

Unfortunately, none had a *Games*-approved degree in Mappitology. And so the next day, our resident expert in the field sat down and found no fewer than 50 errors. If you can find 30, you're cartographically erudite, while 45 or more entitles you to succeed Lady Draughwell when her contract expires.

Answers next issue



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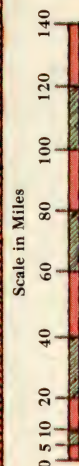
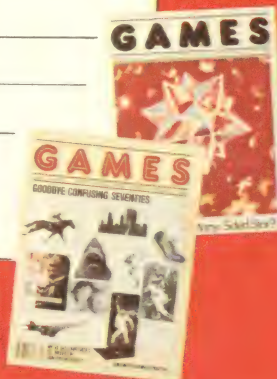
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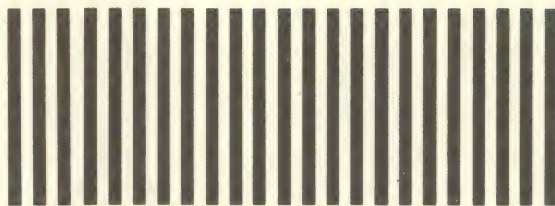
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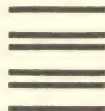


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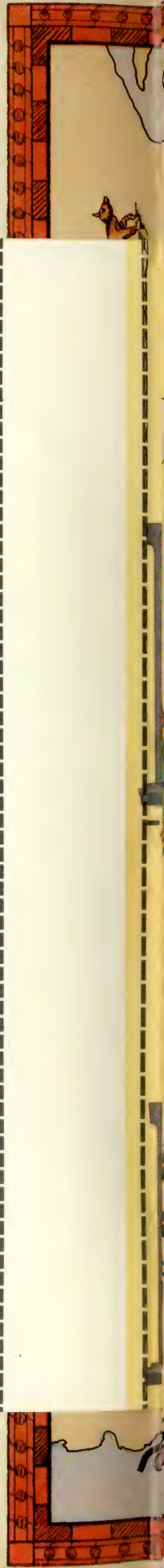
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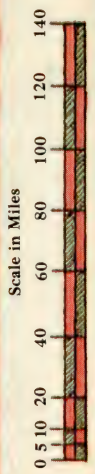




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WORD ALCHEMY

Create a Sentence Using Two or More Words and Their "Alloy."

Take copper and tin, blend them together just so, and you've created the alloy bronze. But you could also take copper, melt it down to cop and per, and discover "word alchemy." To test your mettle, see if you can forge a sentence that includes a word alloy and its two or more constituent words. Alchemical wordplay requires that the constituent words appear in uninterrupted succession and that they precede their "alloy" in the sentence; furthermore, the alloy must be the precise fusion of its parts—no letters added or dropped; no change in the word order. Thus a properly alchemical sentence might go: "When people pass age 39 they become more aware of the passage of time."

As a warm-up, fill in the blanks in the sentences at right, following the alchemical principles just outlined. Then stoke up your imagination and cast a few sentences of your own, underlining the key words. You may submit more than one entry but each must be typed or printed on a separate entry blank or facsimile. Entries will be judged for creativity and cleverness, and the decision of the judges is final.

—G.R./C.S./W.S.

Clip or copy this coupon and mail to **Word Alchemy, Games Magazine, 515 Madison Avenue, New York, NY, 10022.**

My Sentence (with key words underlined): _____

Name _____

Street Address _____

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Entries must be received by June 2, 1980. All entries become the property of Games. No submissions returned.



"Warm-Up": Can You Identify the Missing "Elements"?

- Example: Puzzle solvers sometimes have cross words for the hard clues in our Ornerly crosswords.
- Why is a "child-proof" medicine _____ to confound the most _____ adult?
- For mother's birthday we plan _____ loose pearls and string them _____ in a necklace.
- If you turn the Beatles _____, you'll _____ one of their neglected tunes on the flip side.
- I gave the _____ to the _____ because football players play for free in my pinball arcade.
- The sandwich makers at the _____ customers who _____ too long on what to order.
- I saw the little _____ up in the doctor's office, but his misbehavior had no _____ on his indulgent mother.
- I entered the restaurant, I _____, but the huge meal did not _____ me.
- Is a member of the _____ a lenient sentence for his client through plea _____?
- I know it's Halloween, and I hate to _____, Aunt Lil, but why are you wearing a _____ on your head?

Answer Drawer, page 62

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PENCILWISE



Illustrated by Leo Pando

Helter-Skelter ★★

by E. R. Galli

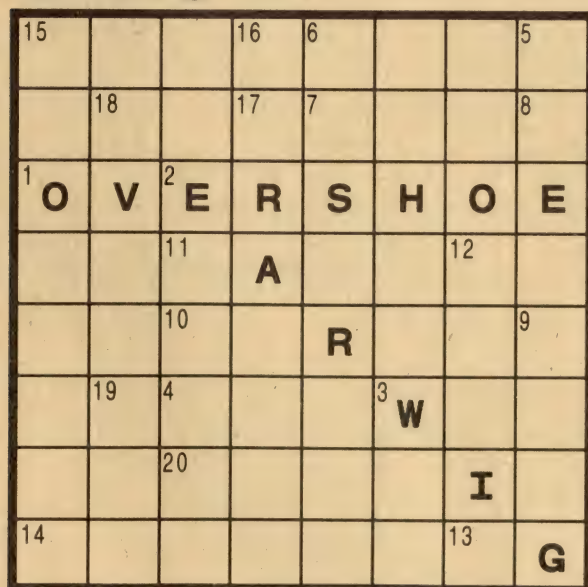
These puzzles have words running in eight directions, but the seeming anarchy is meticulously planned. To solve, write the answer to each numbered clue beginning in its corresponding square in the grid and proceeding toward the next consecutive number. That square gives you the first letter of the next word, but does not necessarily mark the end of the preceding word

(as in the examples OVERSHOE and EARWIG in Helter-Skelter #1). Words may read vertically, horizontally, or in any direction diagonally. When the puzzle is completed, every square in the grid will be filled.

We salute and thank Colin Parsons of the London *Telegraph Sunday Magazine* for this idea.

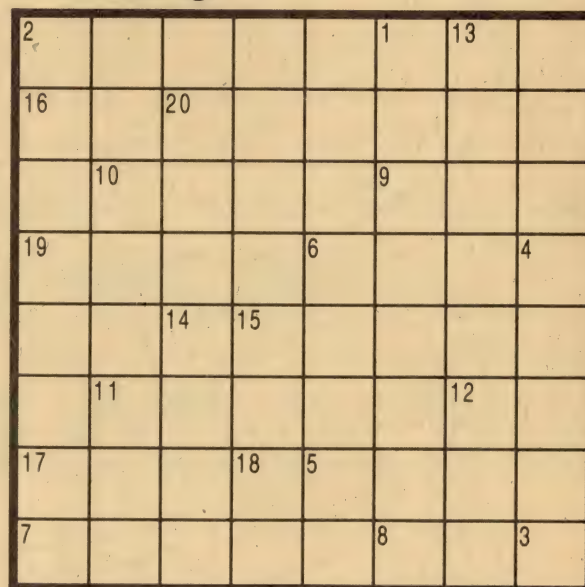
Answer Drawer, page 62

Helter-Skelter ①



- | | |
|-------------------------------------|---|
| 1 Galosh | 11 Blab |
| 2 Nocturnal insect with pincers | 12 Root language |
| 3 American Indian hut | 13 Got comfortable |
| 4 Dry out, as a vine | 14 Bottle in a basket |
| 5 Sloping walkways | 15 Is agreeably sleepy? |
| 6 Baker's goods | 16 Between flush and three of a kind |
| 7 Man's distant cousins | 17 British social |
| 8 Oozing | 18 Battering statistic |
| 9 _____ Island, Marine installation | 19 Likely |
| 10 Gallant horse | 20 At last, I've finished it! (exclamation) |

Helter-Skelter ②



- | | |
|--------------------------------|----------------------------|
| 1 /aws menaces | 10 Bounded |
| 2 One-time TV shows | 11 Get ready |
| 3 Pound _____ | 12 Harvester |
| 4 Dog strap | 13 Move in opposition |
| 5 Sometime salad green | 14 Hard worker |
| 6 The dummy, in bridge columns | 15 Engage in girl-watching |
| 7 Snobs, or formal headgear | 16 Where mascara goes |
| 8 Mother-of-pearl sources | 17 Knives |
| 9 To wit | 18 Scottish hillside |
| | 19 Miss Fitzgerald |
| | 20 Shoestring |

Ring Maze ★★

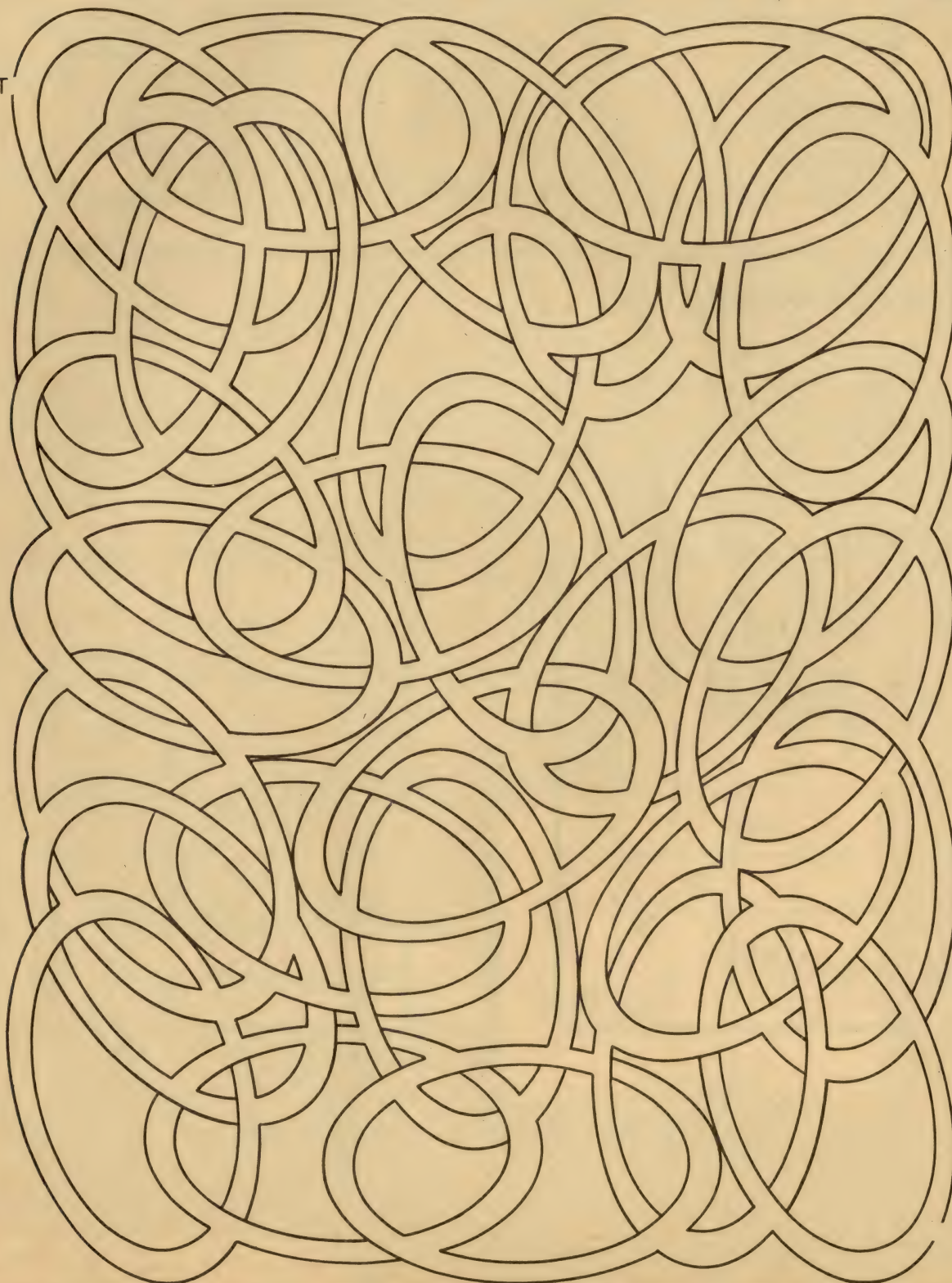
by Wayne Williams

*A subtle chain of countless rings
The next unto the farthest brings . . .*

Ralph Waldo Emerson

Answer Drawer, page 62

START



FINISH

Foreign Accent ★

by William Lutwiniak

ACROSS

- 1 Bolshevik victim
- 5 Scandinavian
- 10 Prisoner's cubicle
- 14 Church feature
- 15 Panama _____
- 16 Side squared, for a square
- 17 Tolstoy's turkey stuffing?: 2 wds.
- 20 Magazine item
- 21 Food, victuals
- 22 Expired
- 23 Crumbly soil
- 24 Last part: 2 wds.
- 27 Hated
- 31 Honor _____ thieves
- 32 Was very fond of
- 33 Listening device?
- 34 Delicate color
- 35 *Scrabble* pieces
- 36 TV host
- 37 It goes before beauty
- 38 Separate abruptly
- 39 Judge's workload
- 40 Touchy one
- 42 Pat lovingly
- 43 New York team
- 44 Merry adventure

- 45 Nativity site

- 48 Carroll or Donald

- 52 Depart with Dominique?: 3 wds.

- 55 In the center of

- 56 Call forth

- 57 Musial or Laurel

- 58 Hankerings

- 59 Found the courage

- 60 Real estate sign

DOWN

- 1 GWTW plantation

- 2 On the _____ of the moment

- 3 Gal Friday: Abbr.

- 4 Junk mail addressee

- 5 Climbed a mountain

- 6 Declined in strength

- 7 Finish

- 8 Patriotic ladies' grp.

- 9 Raises

- 10 Cellist Pablo

- 11 *Happy Days* actress Moran

- 12 Give, for a while

- 13 Falls behind

- 18 Frosting

- 19 Fathered

- 23 Parking _____

- 24 Bye-byes

- 25 Mexican friend

- 26 Person beyond help

- 27 Handed out

- 28 Poke fun at

- 29 House overhangs

- 30 Attire

- 32 Opera singers

- 35 Balanced precariously

- 36 Gloom

- 38 Place for knickknacks

- 39 Ms. Burnett

- 41 Inserts deeply

- 42 Squirreled away

- 44 English philosopher John

- 45 Remain

- 46 Domesticated

- 47 _____ to (related)

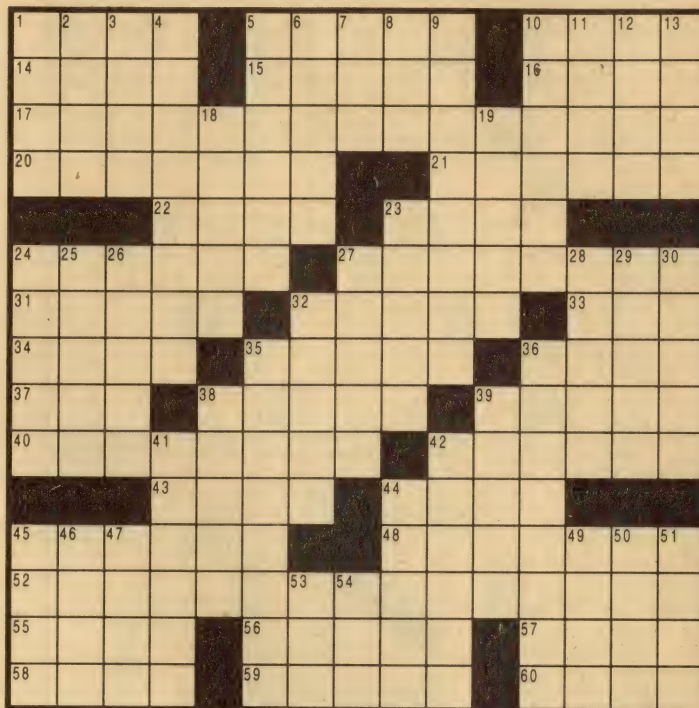
- 49 Western pact: Abbr.

- 50 Facial shape

- 51 Tear apart

- 53 A Gabor

- 54 It goes with "neither"



Answer Drawer, page 62

Odd Couples ★

by Bill Leonard

Galloping and Eydie Gorme, Subway and J. R. R. Tolkien, Corn and Ty Cobb—those are our idea of "odd couples." Below are 16 more twosomes with their last names deleted. Can you complete them?

Answer Drawer, page 62

1. Ballpoint and William _____
2. Book and Groucho _____
3. Big Bad and Virginia _____
4. Stock and Ernie _____
5. Oil and Orson _____
6. Deuces' and Oscar _____
7. Foot and Clare Booth _____
8. Alaskan King and Buster _____



9. Polar and Max _____
10. Broken and Moss _____
11. Sugar and Michael _____
12. Tiger and Beatrice _____
13. Stool and Walter _____
14. It's The and Zasu _____
15. King and Eddie _____
16. Hello and Salvador _____

Dszquphsbnt! ★☆

by Norma Gleason

Below are seven messages, consisting of pithy sayings, fascinating facts, and a cartoon gag, which have been translated into simple code alphabets. Letter substitutions remain constant throughout any one cipher, but change from one cipher to the next, and the level of difficulty increases as you progress. An asterisk (*) indicates a proper noun.

Word divisions in cipher 7 have been concealed by arbitrarily putting the letters into groups of five—although the letters are still in proper order. Punctuation has been omitted in this cipher to increase the challenge.

Clues are given at the bottom of the page to provide assistance if you need it.

Answer Drawer, page 62

1. CRYPTOON

"BS, NB JSGN GN *RUGAJBO!
TUWC JB HLLJ EBP. G'YL
OBJGRLC EBP GO BPZ IPCTLJ
ABZ NBHL JGHL."



2. ON THE HOOF

BZN LMVE "BNIENVUMMB" LWR
MVYJYIWFFC WSSFYNE BM GMLR
VWYRNE YI W GMVVWF WIE
BZNI BOVINE MOB MI BZN
VWIJN.

3. A FRIEND IN NEED

LXHVP FXVMFW: MV MA XFQD
LPYF VPY JXQE AYRAXF JXOYA
VPRV LY BFXL VPY CMFY RFE
JDCHYAA VX SY YZYHWHYYFA.

4. SEE YOU LATER, ALLIGATOR

*SUONDYO *MPEXMPUII ABCUOBA
LO LJJBLNBX LN YOB SPY
CBBAN L MXYMYAUIB, PYJUOW
UD SUII BLD PUT ILND.

5. YOU DON'T MEAN HE WAS CANNED?

*PNQJOEL GQZS: CD YJQUKSJ-OV-
NLA ALF POJSE PJQC KOF GQY
LU UKS QJLVTS GXOHS
PLHUQJD. UKSD FLOE KS
HQXNEV'U HQVHSVUJLUS.

6. TWELVE BY TWELVE

NIAEGEQUAU DYAT *KXUUXEE
*RXYD: BYAZZ QBUAYGURX QZ
AUX OIUJYXJ DAYEFDIY EQTXZ
PAYZX EOGU AYJQUGYF
QBUAYGURX.

7. SUPERSTITION

GSVLK ZORHI VKFGV WGLYV
FMOFX PBOLM TZTLL IRVMG
ZOHYV ORVEV WGSVL KZODZ
HZORE VZMWS ZWZHL FOYVX
ZFHVL URGHX SZMTR MTXLO
LIH

Clues

Cipher 1: Ciphertext G'YL suggests the word I've.

Cipher 2: The most common three-letter word in English is THE, and it often begins a sentence.

Cipher 3: A four-letter pattern like VPRV is often plaintext THAT. VPY should suggest another common word.

Cipher 4: A frequently doubled letter in English is L (found here twice).

Cipher 5: The letter after the apostrophe is T.

Cipher 6: The five plaintext vowels are I, A, G, O, and X (in no order).

Cipher 7: The word BELIEVED appears in the plaintext. Find that sequence in the cipher and you're off to a gem of a start.

Sign Language ★★

by Doug and Janis Heller

ACROSS

- 1 Recipe direction
- 5 Resorts
- 9 Pit- (tapping sound)
- 13 Soap family name
- 14 Auriculate
- 16 Boot bottom
- 17 Office V.I.P.
- 18 Houston player
- 19 Stack
- 20 X □
- 23 One of the Bobbey twins
- 24 Wash pots and pans
- 25 Man under the spreading chestnut tree
- 27 Designer Oleg
- 30 Draft status
- 31 Antonym: Abbr.
- 32 — Domingo
- 34 Preserves meat
- 37 Modern keyboard
- 39 Nixon's defense secretary
- 41 Picture-hanger's need
- 42 Top floor
- 44 Be in reverie

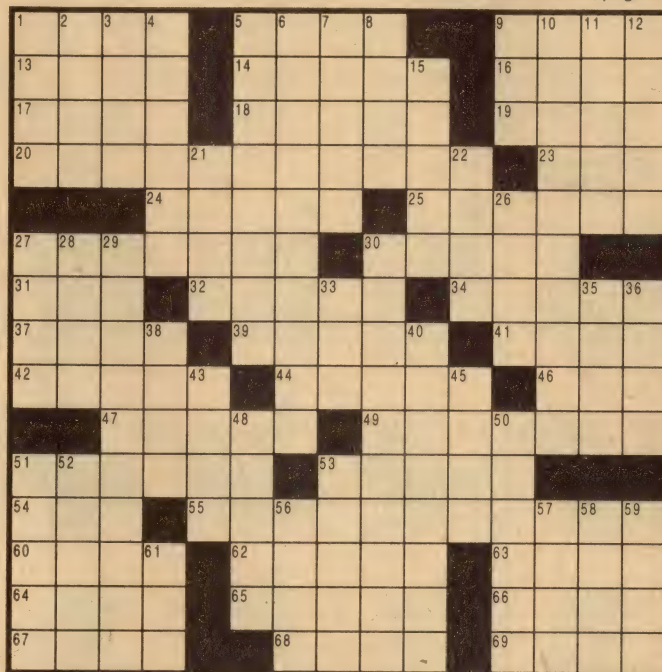
- 46 Vane direction: Abbr.
- 47 "Time in a Bottle" singer
- 49 Sounded like an old door
- 51 Composer Gustav
- 53 Actress Chase, et al.
- 54 Common verb
- 55 ◇ ○
- 60 Splinter group
- 62 Jaded
- 63 Song for "Bubbles"
- 64 Japanese wine
- 65 Wise men
- 66 Bratty ones
- 67 Or —!
- 68 Carmine and cardinal
- 69 Forerunner of the Rambler

DOWN

- 1 Printer's mark
- 2 City vehicle
- 3 News story
- 4 School break
- 5 Pertaining to summer, e.g.

- 6 Satire
- 7 Pianist Rubinstein
- 8 Evening, in Rome
- 9 Cleo's undoing
- 10 • —
- 11 Islamic God
- 12 Small
- 15 Back: Prefix
- 21 Bio. and chem.
- 22 Big birds
- 26 OPEC nation
- 27 Robin Cook best-seller
- 28 Take — shot at (try): 2 wds.
- 29 ● ✓
- 30 Canceled a mortgage
- 33 Shooting match
- 35 Fork part
- 36 Citizen Kane's "Rosebud"
- 38 Damsel
- 40 Prince of — (Satan)
- 43 College student
- 45 Anthropologist Margaret
- 48 Tots' cots
- 50 Right —: 2 wds.

Answer Drawer, page 62



- 51 En — (all together)
- 52 " — Live Girl": 2 wds.
- 53 What you see in the mirror
- 56 Winglike
- 57 "La Douce"
- 58 Small drinks
- 59 Wound
- 61 "Driving" area

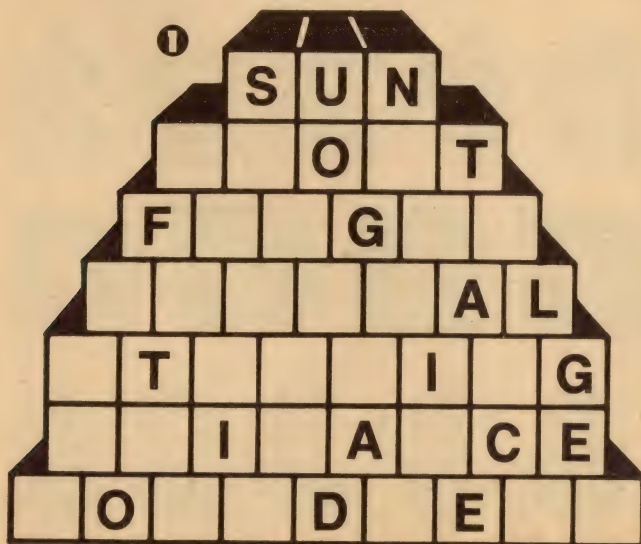
Mental Blocks ★★

by Frederic H. Kock

The title refers both to the shape of these simple puzzles and sometimes to the result of trying to solve them! Use only the three letters in the top row of each stack to complete words in

the other six rows. All the letters will be used at least once in every other row. Only common words appear.

Answer Drawer, page 62



Assembly Line Blues ★★

Ten-Minute Perception Test

"So Big John the foreman is breathing down my neck about quotas, and Quality Control is squawking over customer complaints about defects. Meanwhile, it's like the conveyor belt is going faster each week. I tell you I've had it. I quit."

Now it's your turn to punch in. Using the model on the left as

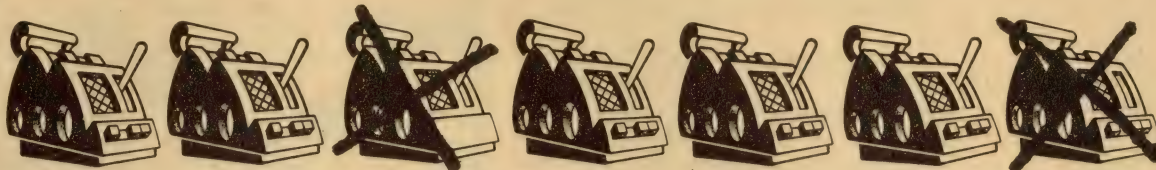
a guide, demonstrate your level of productivity by spotting and marking all defective items on each belt. There may be one or more in each line, or there may be none. You never know. Finish in ten minutes or less and you deserve a big raise.

Answer Drawer and performance ratings, page 63

MODEL



Example

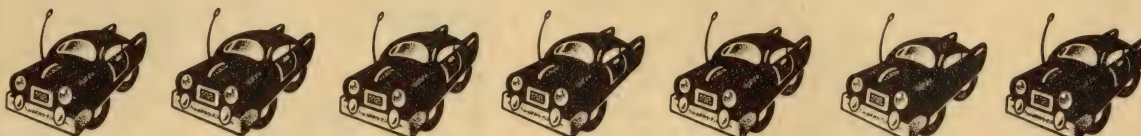


(No Buttons)

(No Lever)



1.



2.



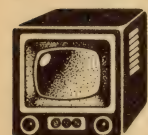
3.



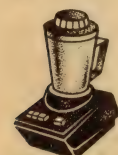
4.



5.



6.



7.





8.



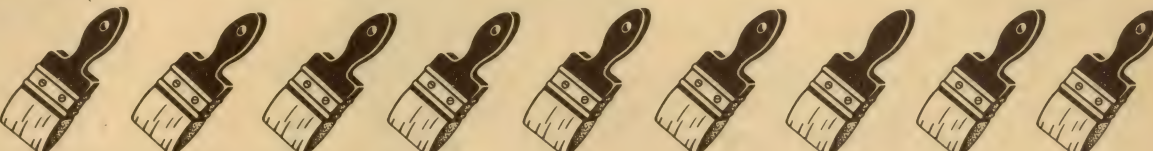
9.



10.



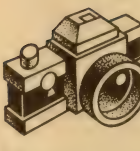
11.



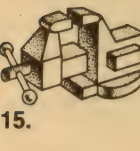
12.



13.



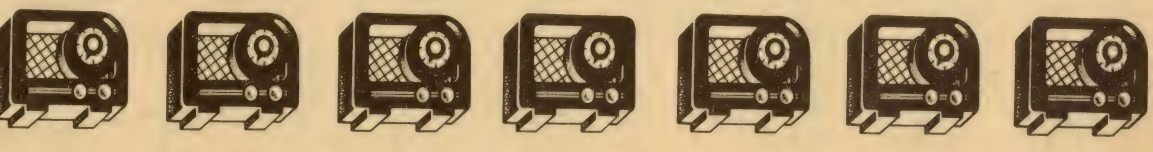
14.



15.



16.



17.



Last Ditch: A Strategy Game ★★

by Sid Sackson

How to Play

Number of Players: Two.

Equipment: Two pencils (representing "shovels") for you and your opponent. A pattern of crossing lines ("the ditches") on a sheet of paper.

Object: Be the last player to fill a ditch.

Rules:

1. Prepare the playing "field" by drawing a closed pattern of intersecting lines in any shape you wish. Each line represents a ditch. (The example below shows a field composed of eight ditches.)

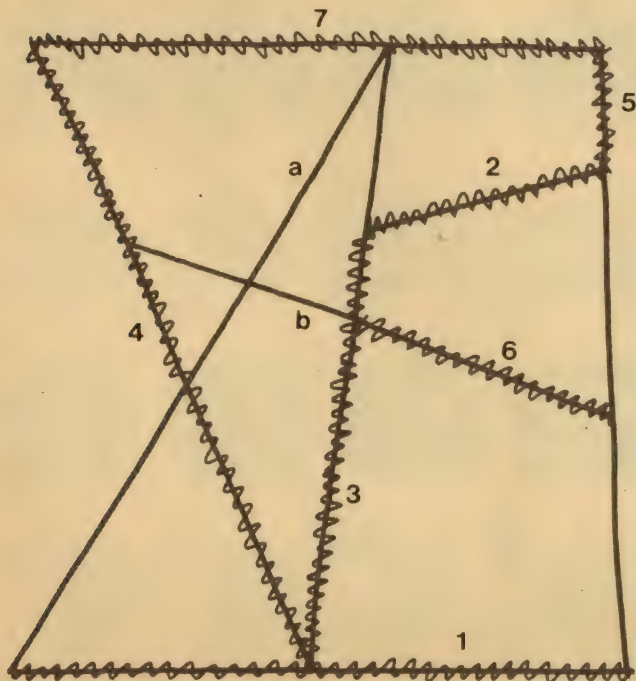
2. Your opponent (if you drew the ditches) has first move, and fills any ditch *for its entire length*.

3. You move next and fill any ditch of your choice—also for its full length, unless you meet a ditch already filled, in which case you must stop at the point of junction. (In the example below, which shows the first seven turns of a game, ditches 3, 5, and 6 are filled to the points at which they meet ditches 2, 2, and 3 respectively.)

4. Play proceeds in this fashion and continues to alternate between you and your opponent.

Winning: Whoever fills the last ditch wins the game.

Example: Exactly seven moves remain in the field below, no matter what the order in which the ditches are filled. (Note: Between them, ditches a and b consume three turns, because filling one of them breaks the other into two parts.)

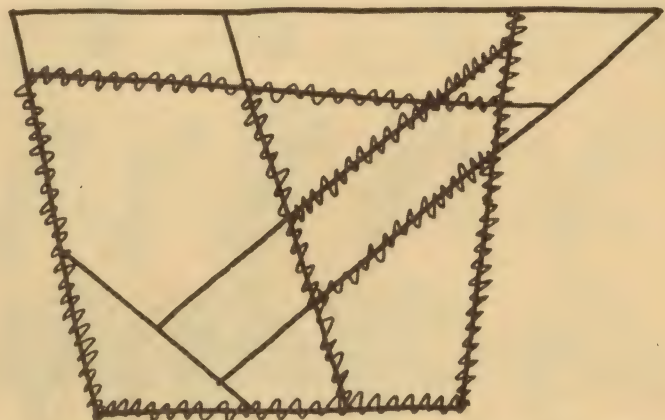


Warmup Puzzles

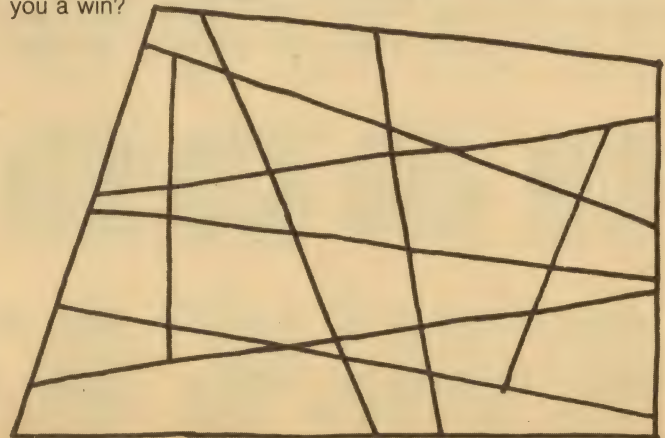
1. Ground Tactics. Test your strategy. It's your turn in this game, and you have a choice of five ditches to fill—one of the three crossing in the middle, or one of the two on the lower edge. How should you play?



2. At the Root of the Problem. It's your turn again and the game looks rather difficult to analyze. Look closer: The options can be quickly narrowed down. What is your winning play?



3. Trench Warfare. Your opponent has just drawn this pattern of ditches and we're not serious that there's one winning play, are we? Well, yes, we are. Filling which ditch guarantees you a win?



Answer Drawer, page 63

WILD CARDS

☆☆ Edited by Lisa Feder ☆☆



Word Play

You Don't Say

One letter has been changed in each word in these familiar sayings. Can you recognize them?

1. EASE TOES IF
2. TAR IT WELL
3. WIND WOVEN ADD GONG
4. TAME MY RUT GO THY CALL GATE
5. I KISS AS IS FOOD AM I MALE

—A. S. Flaumenhaft

Answer, page 35

Number Play



Go Forth and Multiply

Using each of the ten digits once, can you find two five-digit numbers with the largest possible product?

Answer, page 35

For the Record



Way to Go

Each of the following people have crossed the continental United States in an unusual manner, and set a world record in the process. Can you match the duration of their journeys with their methods?

1. John Lees in 53.51 days.
 2. Charles Creighton and James Hargis in 18 days.
 3. Paul Cornish in 13.22 days.
 4. Floyd Rood in 1 year and 19 days.
 5. David Ryder in 127 days.
 6. Clinton Shaw in 77 days.
- a. On crutches
 - b. On a bicycle
 - c. On roller skates
 - d. Walking
 - e. Driving in reverse
 - f. Hitting a golf ball (114,737 strokes; 3,511 lost balls)

—from *Guinness New Game Book* (Sterling Publishing Co.) © 1978 by N. McWhirter with N. Palas.

Answer, page 35

No Kidding



Yes, Melina

For most New Yorkers, the streets of this city are paved (and potholed) with macadam, gravel, cobblestone—anything but gold, especially at today's prices.

But for a recent visitor from Colombia, Melina Chica de Zapata, those much-maligned avenues took on a distinctly golden glow. Shortly after her arrival here last December to visit relatives, she found a dollar bill on the street. Deciding that it was a lucky omen, she used it to purchase a New York State Lotto ticket, choosing her combinations from the serial numbers on the dollar bill to play the ticket. And the next thing she knew, Ms. Zapata was informed that she had won \$391,000. It was the first time she had ever won anything.

—L.F.

If..., Then...



Looking Peaked?

Three men met at the top of a mountain. Their conversation revealed the following facts:

1. The banker was taller than the artist.
2. James was older than the chemist.
3. Fairmont was heavier than Davies.
4. Enfield was richer than Harry.
5. The artist weighed more than George.
6. Harry was taller than the chemist.
7. The youngest, who was also the shortest, didn't hike the most.
8. George was richer than Enfield.
9. Harry was younger than the artist.
10. George hiked more than Davies.

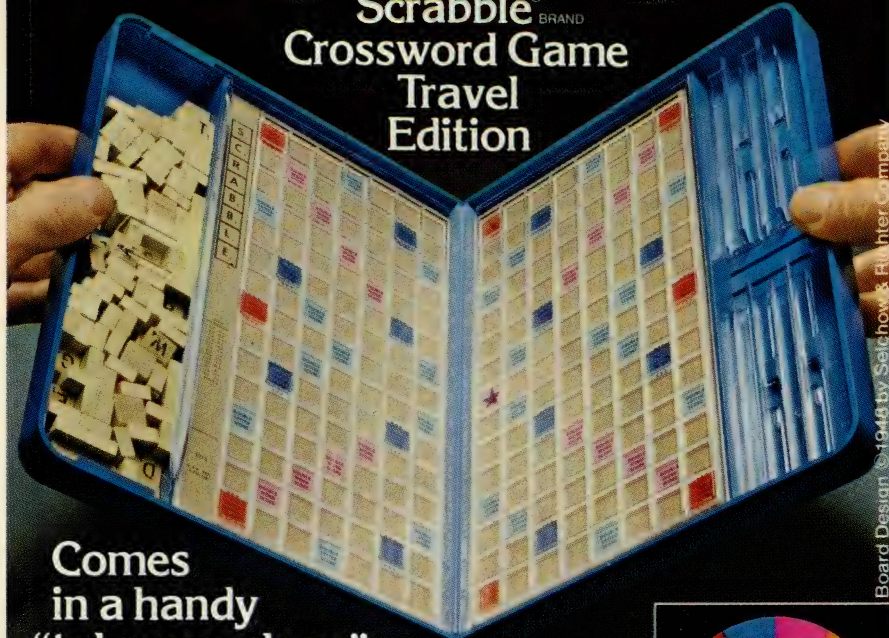
Can you identify the three hikers by name and occupation, and then determine their relative rankings in wealth, weight, height, age, and how much each one has hiked?

—Paul McClenon

Answer, page 35

Play as you go.

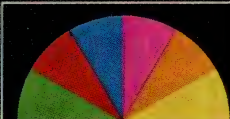
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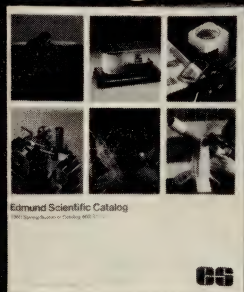
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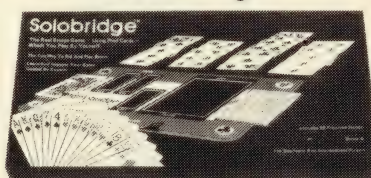
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Name

Address

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Trivia



Who's Been Paying Attention?

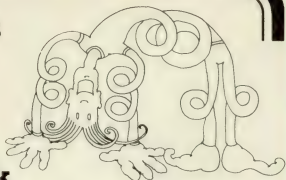
Take a close look at this quiz to find out.

1. On which side does Johnny Carson part his hair?
2. In which hand does the Statue of Liberty hold her torch?
3. What shape is a stop sign?
4. Which way does Abe Lincoln face on a penny?
5. Which two letters do *not* appear on a telephone dial?
6. What's the highest number on an AM radio dial?
7. How many tines are on a standard dinner fork?
8. On which side of their uniforms do police officers wear their badges?
9. On a standard typewriter, over which number does the dollar sign appear?
10. Which way does a record turn on a phonograph—clockwise or counterclockwise?
11. Is page one of an English-language book on the left or the right?
12. If a common pencil isn't cylindrical, how many sides does it most likely have?
13. On the back of a \$5 bill is the Lincoln Memorial; on a \$10 bill it's the U.S. Treasury Building. What's in the center of the flip side of a \$1 bill?
14. How many geometric shapes in the CBS "eye" logo?
15. Does it say "Coke" or "Coca-Cola" on every can of the stuff?
16. Which of these appear on all current U.S. coins: a) "United States of America," b) "E Pluribus Unum," c) "In God We Trust," d) "Liberty"?
17. The Venetian blind is a marvelous invention. Pull one cord and the slats open or close; pull the other cord and the whole thing goes up and down. Now, on which side do you find which cord?
18. When you walk normally, do your arms swing with or against the rhythm of your legs?
19. Which way do you flip a wall switch to turn it on—up or down?
20. Over which eye does Moshe Dayan wear his patch?

©1980 by Dan Carlinsky, New York City.

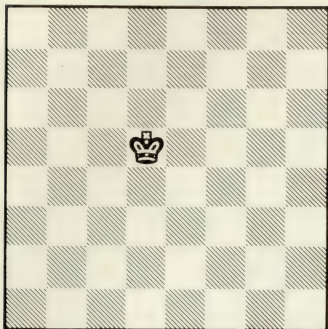
Answer, page 35

Twists



By Hook or by Rook

This chess conundrum dates back to medieval times (circa 1450) and we still find it puzzling.



Place four White Rooks on the board, checking each move, and mating on the fourth move.

—from *A Guide to Fairy Chess* (Dover Books).
©1971 by Anthony Dickens.

Answer, page 35

Tough Nuts



Too Much of a Good Thing?

NORTH

♠ 7 5 3
♥ 8 6 5 2
♦ A 9 8 7 3 2
♣ —

WEST

♠ —
♥ K 10 9 7 4 3
♦ Q 10 4
♣ J 10 9 5

EAST

♠ 6 4 2
♥ A Q J
♦ 5
♣ 8 7 6 4 3 2

SOUTH

♠ A K Q J 10 9 8
♥ —
♦ K J 6
♣ A K Q

West leads the Jack of clubs against South's contract of seven spades. Seeing all four hands, how do you make it?

—Mel Stover

Answer, page 35



When did you last play Parcheesi?

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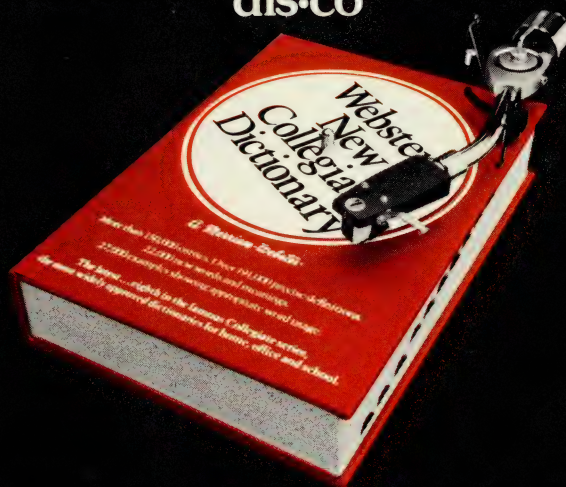
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WILDCARDS

ANSWERS

You Don't Say!

1. Easy does it.
2. War is hell.
3. Wine, women and song.
4. Take me out to the ball game.
5. A miss is as good as a mile.

Way to Go

1. d, Walking (53.51 days).
2. e, Driving in reverse (18 days).
3. b, On a bicycle (13.22 days).
4. f, Hitting a golf ball (1 year, 19 days).
5. a, On crutches (127 days).
6. c, On roller skates (77 days).

Go Forth and Multiply

Use two principles, namely: the largest digits go to the left; and, the product of two numbers will be maximized if their difference is as small as possible. The solution is 96,420 and 87,531.

Looking Peaked?

By process of elimination, we determine that George is Mr. Fairmont, the chemist; James, the artist, is Mr. Enfield; and Harry, the banker, is Mr. Davies. George Fairmont is also the richest, of middle weight, the shortest, the youngest, and average (middle) hiker. James Enfield is of middle wealth, the heaviest, of middle height, the oldest, and hikes the most. Harry Davies is the poorest, the lightest, the tallest, of median age, and does the least hiking.

Who's Been Paying Attention?

1. On the left.
2. In her right hand.
3. Octagonal.
4. Left.
5. Q and Z.
6. 1600 (sometimes abbreviated as 160 or 16).
7. Standard is four.
8. On the left.
9. Over the number 4.
10. Clockwise.
11. It's always on the right.
12. Six.
13. No picture—just the word ONE in large letters.
14. Three: a circle inside a football inside an oval.
15. Both.
16. All four.
17. Generally, open-close is on the left, up-down on the right.
18. Against.
19. On most switches, up.
20. On the left.

By Hook or by Rook

1. Add Rd2+, Kd5-e4; 2. Add Rg4+, Ke4-f5;
3. Add Rf4+, Kf5-e6 or e5; 4. Add Re4 mate.

Too Much of a Good Thing?

The solution would be easier to find if South had three small clubs instead of A-K-Q. To make the contract, ruff the club lead, ruff a heart, ruff a club, ruff a heart, ruff the last club, and ruff a third heart. Now play out all the spades, discarding four diamonds from dummy. On the last spade, West must relinquish either his last heart, making the board's eight of hearts good, or a diamond, allowing South to score his thirteenth trick with the six of that suit.

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EVENTS

Before making plans to attend any of these events, write to verify dates, times, places, eligibility, entry fees, etc. Send a stamped, self-addressed envelope with your request.

Chess The U.S. Class Championships will take place in Scottsdale, Arizona, June 27-29. There will be six classes of competition, from novice to master. Contact: U.S. Chess Federation, 186 Rte. 9W, New Windsor, NY 12550.

Computers The Fifth Annual Computerfest of the Midwest Affiliation of Computer Clubs will be held at Franklin University in Columbus, Ohio, June 20-22. Seminars, displays, and dealer exhibits are designed to provide information on home computing to both novices and experienced hobbyists. Contact: Don Moore, Computerfest '80, Franklin University, 201 South Grant Ave., Columbus, OH 43215.

Frog Jumping The Calaveras County Jumping Frog Jubilee, May 16-18, in Angels Camp, California, is the granddaddy of frog jumping competitions. If you don't bring a croaker along, you can rent one for \$2 at the fair. Contact: D. Baumann, Calaveras County Fair, P.O. Box 96, Angels Camp, CA 95222.

Go The 7th Annual Maryland Open Go Tournament will be held May 25 at Johns

Hopkins University, Baltimore, Maryland. Contact: The Baltimore Go Club, c/o Jim Pickett, 739 Overbrook Rd., Baltimore, MD 21212, (301)-377-2353.

Hollerin' The Hollerin' Contest, on June 21, in Spivey's Corner, North Carolina, is devoted to the old style hollerin' used by rural people to communicate and celebrate across wide distances—a genuine folk tradition. There will be separate competitions for men and women. Contact: Ermon Godwin, Box 332, Dunn, NC 28334.

Kites The city of Shizuoka, Japan, will host its annual festival in early May. Celebrations include kite fighting and a display of new designs from resident kite maker Tatsusaburo Kato. Contact: the Japanese Consulate, 280 Park Ave., New York, NY 10017.

New Games The New Games Foundation will continue its workshops on rule changing and creative play throughout the spring and summer. For information on workshops in your area, write New Games Foundation, P.O. Box 7901, San Francisco, CA 94120.

Scrabble The Fremont, Ohio, Recreation Department will be holding a Scrabble tournament June 6-8 open to all comers. Contact: Jeff Bloom, Fremont Recreation Department, 621 Croghan St., Fremont, OH 43420.

Spelling The National Spelling Bee, May 28-29, at the Capitol Hilton in Washington, D.C. One hundred and nine local champions, eighth grade and below, will have to mind their "p"s and "q"s during the two-day spell-down. Spectators will be admitted after contestants' families have been seated. Contact the Reservations manager, Capitol Hilton, 16th and K Streets, N.W., Washington, DC, 20036.

Inventions The Fourth Annual World Wide Inventors Exposition will be held May 15-18 at the Statler Hilton in New York. It provides a showcase for innovative technology in both consumer and industrial fields. It's open to the public, so you can decide for yourself whether the displays represent the work of future Eli Whitneys or Rube Goldbergs. Contact: World-Wide Patents Ltd., Empire State Building, New York, NY 10001.

Wargames Origins '80, June 27-29 at Widener College in Widener, Pennsylvania, is the largest convention in the field of wargaming. It will feature workshops, design awards, miniatures, displays by some 40 game publishers, and extensive tournaments and play sessions. More than 3,000 strategy game enthusiasts are expected to attend. Contact: Origins '80, Box 139, Middletown, NJ 07748.

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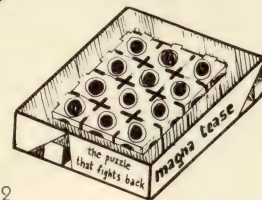
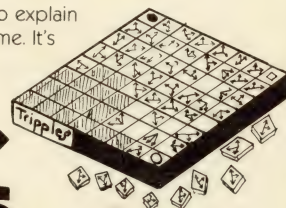
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and trying to anticipate and react wisely to what he does. Very absorbing, and lots of fun for 2 or 4 people aged 8 and up. \$10.00.

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Gamesmanship ★★★

by Maura B. Jacobson

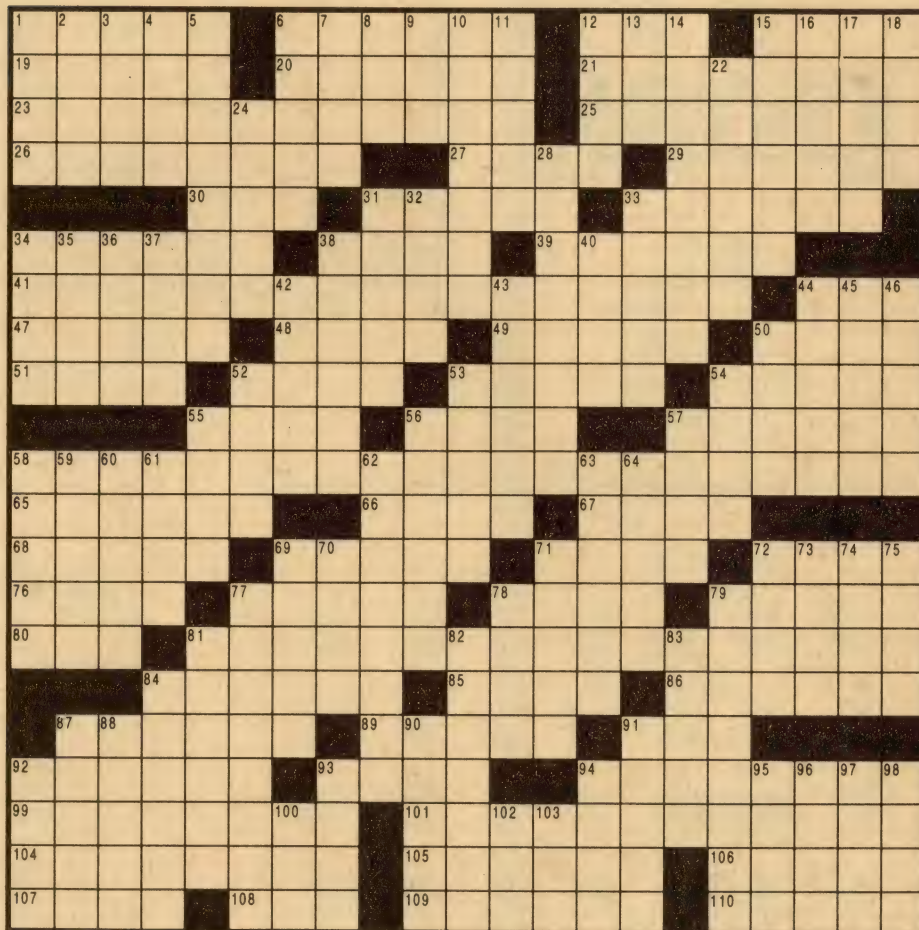
PENCILWISE

ACROSS

- 1 Teheran citizen
6 Minimums
12 Clay, today
15 Jubilation
19 "___ is an island ..."
20 Ratify
21 Seasonal winds
23 Bobby Fischer's lineage?
25 Be a fink's accomplice?
26 Lawmakers
27 President's "no"
29 Appraisers
30 Mr. Parseghian
31 College rookies
33 Tranquil
34 Asia
38 ___ Rabbit
39 Break loose
41 Top meld?
44 A famous Taylor
47 Way to play patience games
48 Additions
49 Laird
50 Confront
51 Eye, of sorts
52 Within: Prefix
53 To a degree
54 M*A*S*H role
55 Wings
56 Slangy assent
57 Game piece
58 Diamonds in the vault?
65 Con's place
66 Country: Sp.
67 Gold Rush city
68 Bailiwick
69 Ms. Eklund
71 Moroccan province
72 ___ even keel
76 Berne's river
77 Phone cubicle
78 Canadian Indian
79 Feel one's way
80 N.F.L. scores
81 Old bridge game directions?
- 84 Doddering
85 Verb with "thou"
86 Fictional child
87 What to call a shovel
89 Cuspids
91 ___ Abner
92 Goes "baa"
93 Medieval servant
94 Spanish explorer
99 Version of gin?
101 Couturier's game?
104 Control tower concern
105 Richards of tennis, et al.
106 Fiat
107 Words of acknowledgment
108 Yugoslav city
109 Puts up
110 Items for a d.j.

DOWN

- 1 Bus. abbrs.
2 Mies van der ___
3 Prayer windup
4 Space agcy.
5 For ___ (e.g.)
6 Gene Tierney film
7 Newts
8 Astern
9 Knight's title
10 Claire's family
11 Pintail ducks
12 Old pulpit
13 Mauna ___
14 Augment
15 Pointed beard
16 Sophia
17 Finnish lake
18 Superlative endings
22 Steep slopes
24 Bridge position
28 "Hail to ___"
31 Tolkien creature
32 Umps
33 Landscape
34 Fiery gem
35 Vex



Answer Drawer, page 63

- 36 Privy to
37 Ages and ages
38 Spree
40 Word to the cat
42 Oahu porch
43 Driving maneuvers
44 Swiss dialect
45 *Don't Bother Me, ___ Cope*
46 Pipsqueaks, nobodies
50 Repute
52 Panache
53 Ring-toss item
54 Eternal City
- 55 Energy source
56 Do injury
57 Half: Prefix
58 Nursery rhyme diner
59 Nymph
60 False witnesses
61 Capri, for one
62 Descriptive names
63 Overrun
64 Musical composition
69 Type of knife
70 Moslem weight
- 71 30-Across's team
72 Approximately
73 "___ lay me down ..."
74 V-mail abbrs.
75 Hawaiian bird
77 Bail-giver
78 Converse
79 Bounded along
81 Make warm
82 Kind of dealer
83 Eerie
84 Scanty
87 Frenchman's name
- 88 Physics Nobel, 1959
90 Dip for la plume
91 Fertile soil
92 ___ B'rith
93 Rubbernecks
94 David's partner, once
95 Lymph knot
96 Actor Tamiroff
97 Art ___
98 Table scraps
100 Roman 1101
102 ___ *Man's Family*
103 Gumshoe

31 Flavors ★

by Edith Rudy

The word list below contains the names of 31 flavors of ice cream. You don't have to choose just one. Find them all in the dripping cone—reading in a straight line forwards, backwards, and in every direction diagonally—and circle them. This puzzle has no calories, so *bon appétit!*

Answer Drawer, page 63



BANANA
BLACK WALNUT
BLUEBERRY RIPPLE
BUBBLEGUM
BUTTER ALMOND
BUTTER BRICKLE
BUTTER PECAN
BUTTERSCOTCH RIPPLE
CHOCOLATE FUDGE
COCONUT
COFFEE
FUDGE RIPPLE
LEMON
LIME
MARSHMALLOW
MINT CHOCOLATE CHIP
MOCHA CHIP
NEAPOLITAN
NEW YORK CHERRY
ORANGE
PEACH
PEPPERMINT
PINEAPPLE
PISTACHIO
RASPBERRY RIPPLE
ROCKY ROAD
ROOT BEER
SPUMONI
STRAWBERRY
TOFFEE
VANILLA

B A N A
A M E E F F O T
N E L P P I R E G D U F B L A
C K C M H E N R R Y B L C A K B C H
W A L N U E U T U N O C O C T U L B U
E B E B R G R Y C H O O O B A T E B U B
B L Y E L D E G U H M B U V T T T E R A L
M O N B R D U B L D N O M L A R E T T U B U T
T E R E U R F E R B B R C I N C R O O T B E E R
C K U L E T E B B U B T T O I E S R P E N C A N A
B D U W T T B T E E U R B L A C K W A L N U T S S
C Y O O O A E W T R C B H L A O N R I L P E L C P
H I I O L C R A O R L A A T T E A C H O C O L U A
T E C H O L H P R I Y P C E C E H T O C O L A M T
E T F C U A D E T G R E L H C C C I E E F F O C
O C O O A N M U C S T I P R C O H F L F E E N F
E H H N T C H H A V A P I N I O I P O L L I A
F C U D S T S G N E A P V A C N P I P L L A
L E M O I N R N L E P L I M M I E M A A R
S H M P I A A N L L E O L R O W W E I
M M I E N T C C Y C H O N
C R P O L A H R R T E
C E H I P A O R N N E
C A P H I C C E E P N E A
P D P O H K B W L I T A L
N B E I Y P Y E W Y I
R K T P R S O C H E R M R
O R N O A R A N G E P
E A A R K C A P
E E D V C P A P B
G E R H M N I U
N N E O A T T
P A R I N N T E
A R B A B E P
Y O B L R E
P Y S T B F A
I I H R O R
A S I P B
E H C A E P
R K K R Y
L R I P
E P E L E
R O C L
K N E
L I M B
Y O R
N O
D A R
O T
O
A R
E

Cryptic Crossword ★★★

by Will Shortz

Simplicity and deception are the twin charms of the cryptic crossword. While the clues may not look simple at first, they do follow one simple rule: Each consists of a direct or indirect definition of the answer and a second description of the answer through wordplay. Finding the two parts to a clue is the key to solving it. Being misled along the way is part of the fun.

For example, in 1-Across in the Warmup Puzzle, the clue appears to be about drunken carousing. Never mind the surface meaning, though. Break the clue between the fifth and sixth words. The answer, LEVER, is defined by the second half ("a bar"—such as is used for raising heavy objects) and is described by the first half (a reversal of REVEL, or "to make merry"). The words "when returning" indicate the reversal; and the following word, "to," suggests that the first half turns into the second.

Any word or phrase indicating backwardness, such as "re-treating," "back," "retrospectively," "the other way," etc., may signal a reversal. In DOWN clues, words like "up" and "rising" may identify reversals, too. If you are new to cryptic crosswords, look especially for reversals in these clues in this month's puzzle: ACROSS—1, 12, 20 (partial), and 27 (partial); DOWN—2, 8, and 25.

Other common types of clues are anagrams (like LAMP/ PALM), containers (AD + MEN = AMEND), homophones (EWE/ YOU), charades (AT + ONE = ATONE), and concealed words (extra special). Anagrams were discussed in some detail in the March/April issue and an example of each variety of clue appears in the Warmup Puzzle at right.

Warmup Puzzle for New Solvers ★

with detailed explanations
in Answer Drawer, page 63



ACROSS

- 1 To make merry when returning to a bar (5) *reversal*
- 4 Unusually loyal to brass, for example (5) *anagram*
- 5 It is held by a light brown giant (5) *container*

DOWN

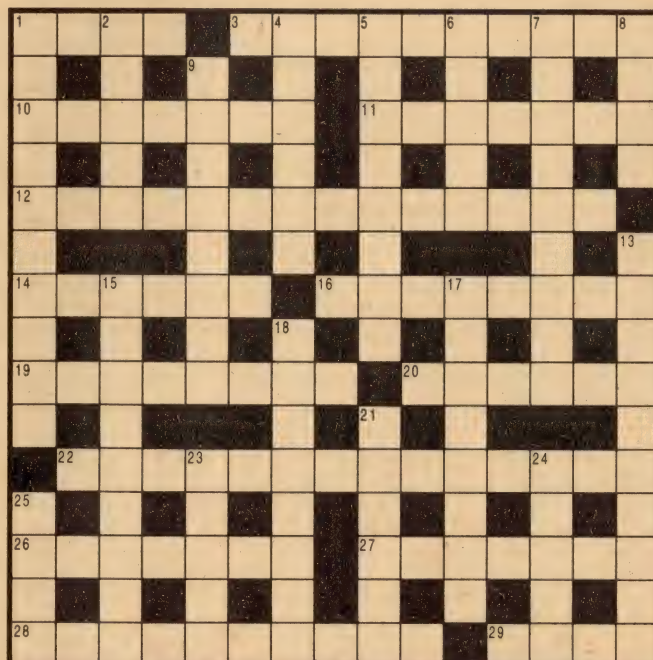
- 1 That which is smallest is rented, we hear (5) *homophone*
- 2 Virginia gave permission to the servant (5) *charade*
- 3 Fabric available in gray only (5) *concealed word*

ACROSS

- 1 Touch returns for a musical instrument (4)
- 3 It raises the self-esteem of crashing bores, e.g., too (3, 7)
- 10 Leather bit of material with rococo design (7)
- 11 Spirited one-to-one chess game finale (7)
- 12 Recent movie that, viewed retrospectively, comments about origins of social values (6, 2, 6)
- 14 Part of cruel destiny of firstborn (6)
- 16 Bumped her forward until now (8)
- 19 Lies slip out from the omission of words (8)
- 20 Dozing as the banana skin is pulled back (6)
- 22 Doctrinaire? No, I will be flexible. I will keep cool (3, 11)
- 26 Skirt around garbage can of popular composer (7)
- 27 Declares one with emphasis, "Turning back?" (7)
- 28 Burglar thinks a fee is wrong (5, 5)
- 29 Check the precipitation, say (4)

DOWN

- 1 Watch Peter, Ike & me dance (10)
- 2 An uplifting morning massage and shave that was once popular (5)
- 4 Go over bumpy channel (6)
- 5 Afro-Siamese, they say, is in semi-formal attire (5, 3)
- 6 It answers all questions: "yes," "yes." (5)
- 7 An amphibian, for example, seen on an endless reef (somewhat) (2, 1, 6)
- 8 Stalk bucks and does from behind (4)
- 9 Makes a mistake—installs a light bulb in the ceiling (6, 2)
- 13 Almost come to Paris over a relationship (10)
- 15 Flirting with a d--- union! (9)
- 17 Quickest mud spots put in cap (8)
- 18 Finished, sadly, like the devil (8)
- 21 Captain Kidd is, initially, plenty mad (6)
- 23 The way some people say it, a stream is a pain in the neck (5)
- 24 Nero's confused language (5)
- 25 When mistletoe is hung, up comes our Uncle with a kiss (4)



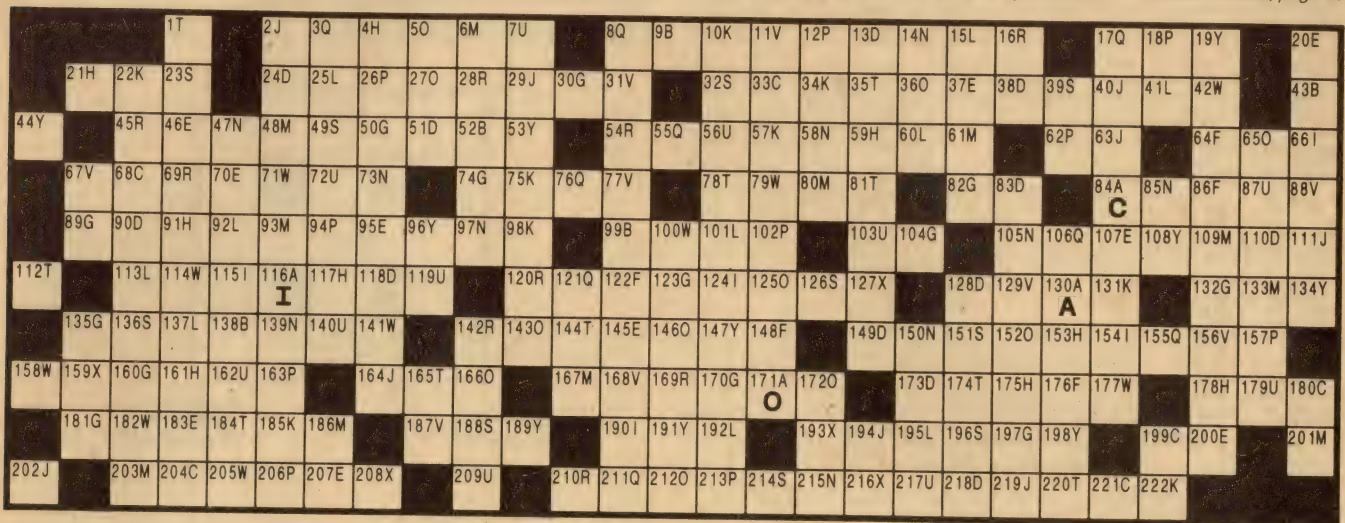
Answer Drawer, page 63

Double Cross ★★

by Michael Ashley

Answer the clues for words to be entered on the numbered dashes. Then transfer the letters on the dashes to the correspondingly numbered squares in the puzzle grid to spell a quotation reading from left to right. Black squares separate words

in the quotation. Work back and forth between grid and word list to complete the puzzle. When you are done, the initial letters of the words in the word list will spell the name of the author and the source of the quotation. *Answer Drawer, page 63*



A.	Italian greeting	C	I	A	O									
B.	Gangsters; tough guys	84	116	130	171									
C.	Transistors	9	43	52	99	138								
D.	Contradictory; lacking in agreement	33	68	180	199	204	221							
E.	Eye condition	110	118	13	218	90	173	51	149	128	38	83	24	
F.	Biblical prophet	207	95	183	37	46	20	70	145	200	107			
G.	Taking advantage of a situation	64	86	122	148	176								
H.	Free from fault; innocent	197	181	135	82	74	50	30	104	89	170	132	160	123
I.	Brown ermine	21	4	178	175	117	153	59	91	161				
J.	Affronting; causing displeasure	66	115	124	154	190								
K.	State of being unfavorably known; ill-fame	194	29	202	40	111	2	164	63	219				
L.	Looks; outward aspect	98	185	222	75	34	22	57	131	10				
M.	Werewolf	25	92	113	192	137	60	15	41	195	101			
N.	Lawsuit; legal process	80	61	203	6	186	48	133	109	201	167	93		
O.	Unintentional; not done of free will	85	47	139	150	73	105	215	14	97	58			
P.	Self-love; egocentrism	65	36	125	143	5	152	172	27	146	212	166		
Q.	Greek goddess of love	163	18	206	94	12	26	102	62	157	213			
R.	Stately in carriage and manner	3	8	17	55	76	106	121	155	211				
S.	Mix; consolidate	120	169	54	16	45	142	69	28	210				
T.	Belgrade's country	188	151	214	136	23	32	39	49	196	126			
U.	Startling; arousing excitement	81	174	112	78	184	144	1	165	220	35			
V.	Healthful	7	56	72	87	103	119	140	162	179	209	217		
W.	Job; vocation	67	129	187	31	156	11	168	77	88				
X.	Cowboy "circus"	182	141	177	205	158	114	42	71	100	79			
Y.	North American bird	127	159	193	208	216								
		189	96	53	147	44	108	19	191	134	198			

Cross Math ☆☆

by Noble Reasoner

Here are three puzzles to test your logic and arithmetic. Place the digits 1 through 9 in the empty squares of each box so that the three rows across and the three columns down form correct arithmetic sequences. Each digit is used once and only once in each puzzle. All calculations involve positive whole numbers. We've provided some help in the first two puzzles, but they get trickier as you proceed.

Answer Drawer, page 64

①

7	+		÷		= 3
+		÷		-	
	÷		×	3	= 9
-		×		+	
	-		÷		= 2
= 4	= 4	= 6			

②

	×		-		= 4
-		+		÷	
	+	8	÷		= 3
+		-		×	
	+		÷		= 4
= 8	= 4	= 8			

③

	÷		+		= 8
×		+		-	
	+		÷		= 2
-		-		+	
	×		-		= 1
= 3	= 8	= 9			

FOLD THIS PAGE

The World's Most Ornery Crossword Puzzle

The puzzle on this and the following pages has two sets of clues: "Hard" and "Easy." If you use only the Hard Clues (below, and beneath the diagram on the following right-hand page), you'll find this puzzle most challenging. But there's also a set of easier clues (on the following left-hand page). You may prefer to keep them hidden by folding this page on the dashed line, tucking this side under, and *then* turning the page. To peek or not to peek is up to you.

Bloomers

by Mel Rosen

Hard Clues ★★★

ACROSS

- | | | |
|------------------------------------|---------------------------------|------------------------------------|
| 1 Heal | 76 Cath. or Prot. | 133 Striped plant |
| 8 Gambler's "Lady" | 77 Part of the foot | 134 Figaro, in <i>Pinocchio</i> |
| 12 Strikebreaker | 78 Marsh bird | 136 Mr. Hurok |
| 16 Wears away | 80 Eat at | 137 Holes in the ground |
| 23 Conceded | 82 Heavy silk thread | 138 Of a long time |
| 24 "Climb ____ my knee, Sonny Boy" | 88 He beat Ruth | 139 April org. |
| 25 Entered | 90 Laundry worker | 140 Most common, statistically |
| 26 Calcareous part of a tooth | 91 Cruel acts | 142 Through: Prefix |
| 27 Hoosier bloomers | 93 Have ____ (quarrel) | 145 Be inattentive |
| 28 Augustan's pride | 94 Poriferan animals | 146 Admit |
| 31 Have in mind | 96 Defense weapons: Abbr. | 148 Buckeye lapel adornment |
| 32 Part of a Jay-hawker's bouquet | 97 Put into office | 151 John Walker and Jim Ryun, e.g. |
| 33 Wood for skis | 98 ____ senior! | 153 Charleston shrub |
| 34 Soul, to Henri | 99 The ____ (jockey's nickname) | 157 Regulates |
| 35 "Nyet" opposites | 100 High throw | 158 In an ungraceful manner |
| 36 Awards | 102 New Hebrides island | 159 Son of Zeus and Hera |
| 38 Cathedral city | 103 Gave up | 160 Extol |
| 39 Gulf of ____, Bangkok's inlet | 105 Sooner, to Shelley | 161 Stony |
| 41 Of the third degree | 108 Speck | 162 Grounds |
| 43 German article | 109 Oregon's capital | 163 Took off |
| 44 Some X-ings | 111 Actress Blake | 164 Other |
| 45 Moolah | 113 Put in sequence | 165 Ebbs |
| 46 Knight's page | 115 Defunct '60s group | |
| 47 Trucker's milieu | 116 Dipterous insect | |
| 50 Concerto ____ | 117 Blossoms in Tallahassee | |
| 52 Nonbeliever | 118 Moves quickly | |
| 53 In ____ (on duty) | 119 Right triangle ratio | |
| 54 Suffix with Unit | 120 Devours greedily | |
| 56 Plumbum | 122 Feline attention-getter | |
| 57 Recondite | 124 One of the Borden's? | |
| 58 Crackerjacks | 125 Ends a dispute | |
| 59 Exchange again | 128 Dells | |
| 61 More frivolous | 129 Encroachment | |
| 63 Body cavity | 131 Abbr. in photography | |
| 65 Cpl.'s underling | 132 Sieves | |
| 68 Prepares | | |
| 69 Marriages | | |
| 70 Beehive State lilies | | |
| 71 "____ Rita" | | |
| 72 Corrida roar | | |
| 73 Spear: Lat. | | |
| 75 Illustrative material | | |

DOWN

- | |
|--------------------------|
| 1 Kind of transit |
| 2 "Maria ____" |
| 3 Vegas machines |
| 4 General atmosphere |
| 5 In arrears |
| 6 More like bamboo |
| 7 Asner and Sullivan |
| 8 Southern constellation |
| 9 ____ arms (irate) |
| 10 Bestow upon |
| 11 Somber signals |
| 12 Freight vessel |
| 13 Haitian harvest |



The Easy Clues for the World's Most Ornerly Crossword Puzzle

Incorporating anagrams and other wordplay in *italics* following the clues. (Don't peek until you read page 41.)

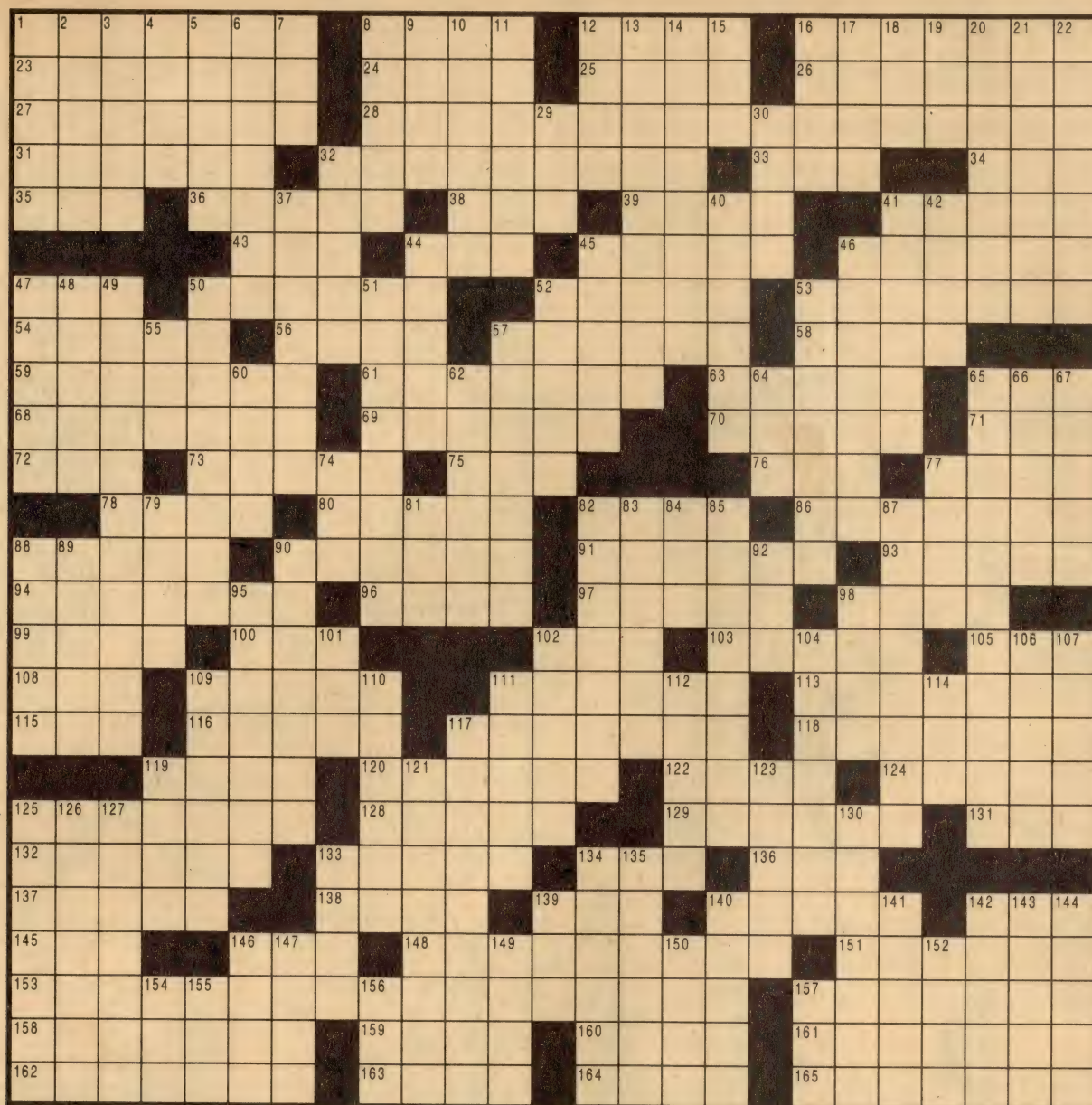
★

ACROSS

- | | | | | |
|---|---|---|--|---|
| 1 Give back or bring back | 63 Nasal cavity | 124 Cow, of commercials | 57 Idolizers | 110 Joining of companies |
| 8 Good fortune | 65 Enlisted man: Abbr. | 125 Pays the bill | 60 Distribute cards | 111 Field of conflict |
| 12 Wound covering | 68 Makes oneself ready: 2 wds. | 128 Scottish valleys | 62 Crown (perhaps I'm dead) | 112 Quit an office (ill-timed) |
| 16 Scrapes off | 69 Labor groups | 129 Incursion | 64 Suffix for cash or cloth | 114 Building annex |
| 23 Gave permission | 70 Utah's lilies (e.g., in <i>SOS</i>) | 131 Magnify: Abbr. | 65 Wild _____, North Dakota's State Flower: 2 wds. | 117 Carrying too much freight |
| 24 On top of | 71 Brazil resort | 132 Vegetable pulps | 66 Did a clerk's job | 119 Printer's mark (do poorly on test) |
| 25 Arrived | 72 Bullfight cheer | 133 Striped African horse | 67 Sneezey conditions | 121 Túna |
| 26 Tooth core | 73 _____ <i>manana</i> (a hat's fallen) | 134 Lion or tiger | 74 Thrice, in music (part of <i>letter</i>) | 123 Deliberate fire |
| 27 Indiana State Flowers | 75 Mr. Linkletter | 136 The Sun | 77 Brothers: Abbr. | 125 Sequinlike adornment |
| 28 Maine State Flower: 4 wds. | 76 Kin: Abbr. | 137 Mine entrances (staid, unfortunately) | 79 Super! | 126 Author Welty, et al. |
| 31 Plan; mean to | 77 Fancy dance | 138 Of an age (<i>real</i> chaos) | 81 _____ binge: 2 wds. | 127 Three-pronged spear |
| 32 Kansas State Flower | 78 Lincoln, "the _____ Splitter" | 139 Tax agency: Abbr. | 82 Mine tools (that <i>parents</i> might break) | 130 Apple pie _____: 3 wds. |
| 33 Dead coal | 80 Wear away | 140 Of a mood (disturb <i>a mold</i>) | 83 Making angry | 133 Greek philosopher (in violent <i>zone</i>) |
| 34 French "soul" (found in <i>Games</i>) | 82 London streetcar | 142 Day: Sp. (<i>aid</i> reversal) | 84 Ripen | 134 Baby's bed |
| 35 _____ Kapital | 86 Took to court again | 145 Indicate assent | 85 Minnesota's State Flower | 135 Like the stars |
| 36 Donates | 88 Baseball's Hank | 146 Possess | 87 Twirled, as thumbs | 139 Motel |
| 38 English city (coming back in style) | 90 Shirt presser | 148 Ohio State Flower, Scarlet _____ | 88 Orgs. | 140 World: Fr. (<i>demon</i> in disguise) |
| 39 <i>The King and I</i> setting | 91 Hardships | 151 Middle-distance runners | 89 Garden pest | 141 New Hampshire State Flower |
| 41 Shaped like a die | 93 At a loss for _____ | 153 State Flower of West Virginia: 2 wds. | 90 Tristan's beloved, et al. | 142 Ten years, once (I will leave <i>caddie</i> shaken) |
| 43 German "a" | 94 Mooches | 157 Keeps in order | 92 Highway: Abbr. | 143 "Goodnight _____" |
| 44 Railroads, for short | 96 Spade and Snead | 158 Loose-jointedly | 95 Actress Stritch, and others | 144 Aides, for short |
| 45 "Filthy" money (<i>cruel</i> change) | 97 Choose | 159 Greek god of war | 98 Evening: It. (part of <i>commiseration</i>) | 146 Heraldic border (badly written role) |
| 46 Knave (<i>travel</i> about) | 98 "Yes-yes", in Mexico | 160 Praise | 101 Ask for charity | 147 Question words |
| 47 Taxi | 99 Oxford or loafer | 161 Stubborn | 102 "The way to _____ heart . . .": 2 wds. | 149 Take a breather |
| 50 Bulk: It. (<i>Go</i> around <i>Ross</i>) | 100 High tennis shot | 162 Fortunes | 104 State Flower of Virginia or North Carolina | 150 Promises to pay |
| 52 Heathen | 102 Himalayan peak (a 3.1416) | 163 Departed | 106 Fasten again | 152 Citrus |
| 53 Horse's straps | 103 Surrendered | 164 Or _____! | 107 One of the Fords | 154 Alias: Abbr. |
| 54 Indo-European: Var. (in <i>Marian's</i> midst) | 105 Before: Poet. | 165 Goes back | 109 Happy expressions | 155 _____ for tat |
| 56 Take command | 108 Insect egg | | | 156 "See saw, Margery _____" |
| 57 Hidden, secret | 109 Witch-hunt city | | | 157 Golfer's aim, perhaps |
| 58 Honor cards, in bridge | 111 <i>Gunsmoke's</i> "Kitty" | | | |
| 59 Swap once more | 113 Gave a command | | | |
| 61 Dizzier | 115 Standard deviations: Abbr. | | | |
| | 116 Gnat | | | |
| | 117 Florida blooms | | | |
| | 118 Moves like a horse | | | |
| | 119 _____, <i>qua non</i> | | | |
| | 120 Blackbirds | | | |
| | 122 Cat's cry: Var. | | | |

DOWN

- 1 Swift
- 2 Actress Verdugo
- 3 Narrow openings
- 4 Musical quality
- 5 Having debts
- 6 More like marsh grass



Answer Drawer, page 64

Hard Clues (cont.)

- | | | | | | |
|---|--|---|--|------------------------------------|---|
| 14 Henry James novel, with "The" | 42 Samovars | 64 Comparative ending | 88 NCAA and NAACP | 110 Commercial combination | 135 Star-shaped, in biology |
| 15 "___" sweetheart | 44 "Le Penseur" sculptor | 65 Wild ___, seen in the Flickertail State | 89 Rose lover | 111 Spartacus' "turf" | 139 Hostel |
| 16 Tots | 45 Spikes the punch | 66 Used a rasp | 90 Arthurian heroine, et al. | 112 Resign | 140 Pierre's "world" |
| 17 Hebrew letter | 46 Cellular cavity | 67 Viral infections | 92 "66" or "I-95" | 114 Cloth measure | 141 Fragrance in the Granite State |
| 18 Genetic molecule: Abbr. | 47 Lading | 74 Threefold: Prefix | 95 Restaurant of the "beautiful people" | 117 Burdened, and then some | 142 Ennead, plus one |
| 19 Prepositions | 48 Knocked for a loop | 77 Fraternity men, for short | 98 Antitoxins | 119 Opposite of "dele" | 143 Castle in films |
| 20 Put out of service | 49 Pink-flowered plants of the Treasure State | 79 Top drawer | 101 Dodge, as a question | 121 Tunny | 144 Helpers: Abbr. |
| 21 Hostile powers | 50 Teeth action | 81 Tierra del Fuego native | 102 "___" home is ..." | 123 Fire for hire | 146 Escutcheon border |
| 22 Shows preference | 51 Grand Canyon State plants | 82 Ensnarers | 104 Flowering tree in Raleigh or Richmond | 125 Glitter | 147 Kids' questions |
| 29 Arch | 52 Impression | 83 Unsettling | 106 Give a frat token again | 126 Ms. Welty, et al. | 149 Remainder |
| 30 Have a hunch | 53 Wallpaper men | 84 Elizabethan, for one | 107 Fifties flop | 127 Neptune's emblem | 150 Chits |
| 32 Gumption | 55 ___ <i>poetica</i> | 85 Gopher State's flower | 109 Shows pleasure | 130 With ice cream | 152 Calcium oxide |
| 37 Springfield bloomers | 57 Groupies | 87 Played with | | 133 First Stoic | 154 Police blotter notation |
| 40 He was <i>The Thing</i> | 60 Fir plank | | | 134 Hold tenderly | 155 Small bird |
| 41 Soft touch | 62 Royal dignity | | | | 156 Crow's kin |
| | | | | | 157 ___ <i>excellence</i> |

Pictionary ☆☆

Alphabetical Sleuthing

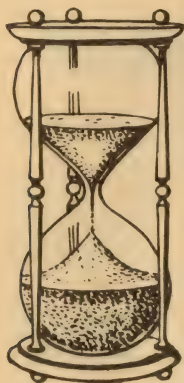
by Stephanie Spadaccini

If you cannot immediately identify these illustrations from the unabridged *Random House Dictionary*—and we hope you can't—you have some clues to help. Above each picture we

list the guide words given at the top of the dictionary page on which it appears. Thus, picture #1 is found alphabetically between "hot well" and "housekeep." Easy? Try naming all 12.

Answer Drawer, page 63

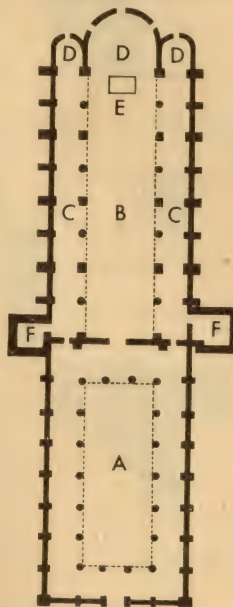
1. hot well/housekeep



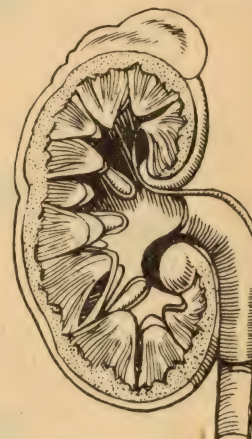
2. solvency/sonata



3. base price/basophilic



4. kick turn/kilogauss



7. obligable/obsequence



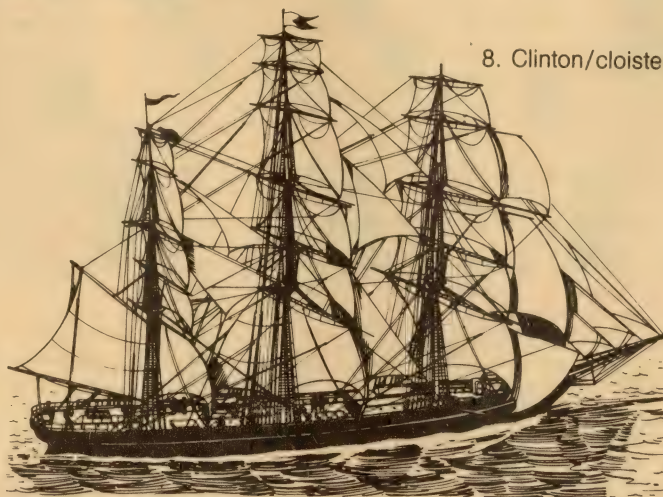
6. grenade launcher/grilse



5. debtor/decasualize



8. Clinton/cloister



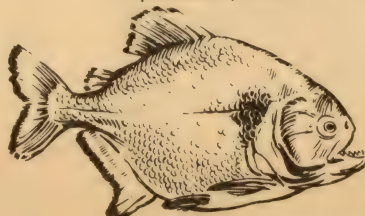
9. ferromagnesian/fete



10. venture capital/verge



11. pioneers/Piren



12. wizardry/woman of the streets



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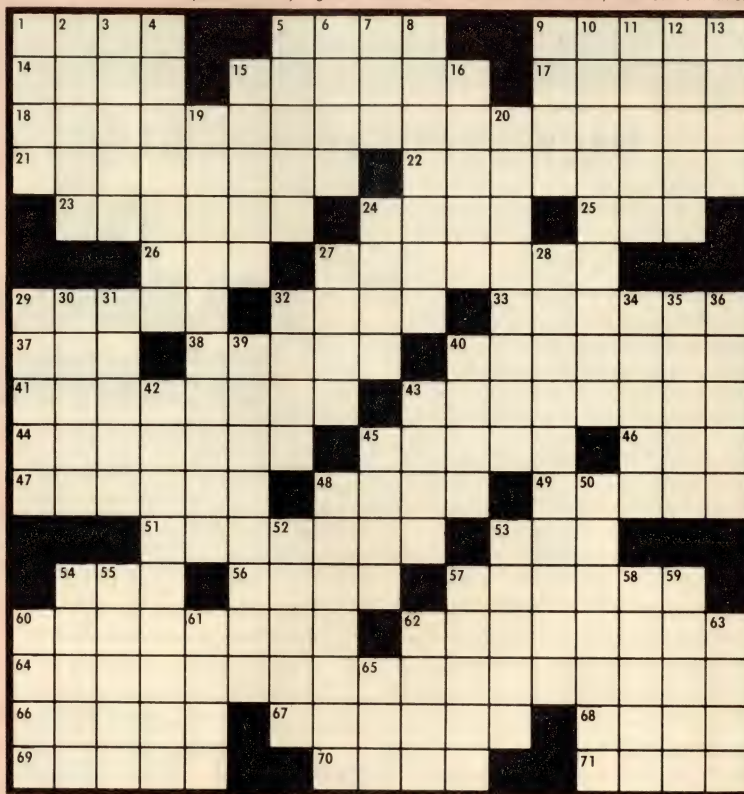
ACROSS

- 1 Carpenter's file
5 Game with 32 cards
9 Plowed land
14 Nanking nana
15 Audient
17 Noted Finnish philosopher: 1835-1924
18 Start of a poem by Burns
21 Too young to be served liquor
22 "--- tavern..."
23 Rubbernecking
24 Make sound
25 Q-U connection
26 "--- for the road"
27 Composer of "The Red Mill"
29 Middle East weight unit
32 Walleyed pike
33 Matador's lure
37 Raggedy doll
38 Philippine trees: Var.
40 Round Table town
41 China
43 Equipment for Mr. America
44 He has no deity or piety
45 Japanese lyric
46 Seine sight
47 Yucatecs
48 Undiluted
49 "And every --- queen": Kingsley
51 Goes
53 What an R.N. gives
- 54 Watering place
56 Birds called wahoos
57 Secular
60 Part of an atom
62 Painted the town red
64 Dos Passos novel
66 Famed Austrian
68 Douglas Hyde was its first president
69 German sculptor-painter: 1440-1533
70 Argus multiple features
71 Ocular ailment
- 10 Church of Scotland clergyman: 1804-68
11 He spawned Hitler
12 "When thou --- this terrible thing": Isa. 64:3
13 Author Seton
15 Viscount Templewood
16 Therapy center, to a G.I.
19 Battle site: Sept. 11, 1777
20 Skier's turn
24 Linen marking
27 Darner's target
28 Uproar; fracas
29 Palindromic title
30 Loos or Louise
31 Not bashful
32 Gossip's interest
34 --- Bell (Emily Bronte)
35 End of a Hemingway title
36 Flummoxed
39 Foreign visitor's need
40 Item to go with ale
42 Vexatious situations
43 Man from 40 Across
45 Shebangs
48 Turn the palm downward or backward
50 Impeaches

DOWN

- 1 Stew, in Siena
2 Mohammed's mother
3 White --- National Monument, N.M.
4 One that may set the world on fire
5 Flock of herons
6 Danny, Sammy or Stubby
7 Estuary
8 Reeling
9 "Kilt him --- when he was three"

Arts and Spirits Puzzle by Eugene T. Maleska, Crossword Puzzle Editor, The New York Times.



- 52 Make --- of (record)
53 Gogol's "--- Bulba"
54 Distort a report
55 Hungarian coin: 1925-46
57 Roman tutelary gods
58 --- as a fiddle
59 Suspicious
60 Australian avifauna
61 Grog quaffers
62 Drayman's charge: Abbr.
63 Scotch for grief
65 Aye neutralizer

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MADAM, I'M A

BACKWARDS OR FORWARDS, IT'S ALL THE SAME IN:

As an accomplished procrastinator, I was delighted to discover that diabolical pastime known as the palindrome. In some ways more insidious than the daily crossword puzzle, the palindrome requires only pencil and paper, and the work is never done. As soon as one palindrome is completed, the procrastinator is compelled to begin work on another. Before you know it it's next Tuesday.

By definition, a palindrome is a word or sentence that reads the same backwards and forwards. RADAR and TOOT are word palindromes. PA'S A SAP and MADAM I'M ADAM are two well-known sentence palindromes.

The process of creating original palindromes usually begins by simply jotting down a word that means something backwards and forwards. Take SNIP, for example. Backwards, it's PINS. EVIL is LIVE backwards. RAW is WAR. (In fact, WAR'S RAW is a very short palindromic sentence.) Eventually, one tries to find longer palindromes, such as LAMINATOR, which converts to ROT ANIMAL. (How to use this interesting bit of information is another matter.) STRATAGEM backwards is MEGATARTS. And what exactly are MEGATARTS? Well, they're either huge fruit pies or awfully large women of the night.

Literature is sparse on the arcane art of constructing palindromes. The only tome that even deals peripherally with the subject is *Lasorporp's Proposal*, by one Nameer F. X. Freeman. A prematurely aging Freeman published the work about ten years ago when he was 35. Since then, he has miraculously begun to rejuvenate. He now claims to be in his early 20s and denies having written the book at all. Doctors studying Freeman's case believe that he may be a rare palindromic man who is in the process of receding into his own past. As to the work itself, I am told that it reads the same backwards and forwards; but the only remaining copy in the Library of Congress was assigned an LC number which, when fed into the computer, immediately triggers a simultaneous "cancel" order. Thus the task of tutoring

THE PALINDROME SYNDROME

by George Gipe

palindromics falls to me.

It's conceivable that there are several methods of starting a palindromic sentence, but I usually begin at both ends. For example, having taken a long hard look at the word "Miami," it struck me that backwards it read "I maim." So I placed one mirror-image at each side of the paper, having decided that it would be more workable to start the sentence with "I maim" than to end it that way. Thus:

I MAIM MIAMI
What next? Well, first it occurred to me that the best word to place in front of Miami would be "in."

I MAIM NI IN MIAMI
But who or what or when do I maim? Nightly? Not bad, but seeing the trio of letters "ght" paralyzed me. Backwards it's "thg." Well, perhaps I maim "nine men":

I MAIM NINE MEN IN MIAMI.
Eureka, as the Greeks said. (Or was it Akerue?)

One of the unwritten rules of the art is that a good palindrome should be meaningful rather than merely a succession of random, unconnected words. In this regard, I must confess that some of my palindromes require a covering story, but placing them in context is nearly as much fun as forming the sentences. To wit:

* Otto was placed in charge of deflating a balloon during a theatrical production. Because it was imperative to perform the act strictly on cue, Otto was sent this reminder: EMIT NO GAS, OTTO: GOT TO SAG ON TIME.

* Back in the old West, Eva fell in love with a cowardly chap named Howard and hired a gunfighter to protect him. When a friend saw a villain about to

shoot Howard, he shouted to the gunfighter: DRAW! OH, SAVE EVA'S HOWARD!

* On a safari, a doctor asked one of the carriers, who spoke only rudimentary English, which insect sting was most effective in harming humans. The native replied unhesitatingly, but with questionable grammar: TSETSE BESTEST!

* For a long time, two manufacturers of custom-made church pews with decorative decals couldn't sell their product. Then, finally, after achieving his first success, a laconic salesman wired back: WE PLACED A DECAL PEW.

For a palindrome constructor, making sense is essential; but length is also a critical index of excellence. One of my longer efforts deals with an obscure sporting event in Egypt—RAT RACE LINES OPPOSE NILE CAR TAR; another, DRAW NO LLAMA A MALL ONWARD, is concerned with whether or not llamas are allowed in the next shopping center. My longest is a 51-letter headline which appeared after the government called on people to keep watch for enemy radar off the coast. It reads: BUSY VAN NOTES RADAR: A WASTREL, ALERT, SAW A RADAR SET ON NAVY SUB.

Now, armed with the necessary technique, delicious suffering and sleepless nights await you. And with your new-found expertise, perhaps you'll discover a way to employ MEGATARTS in a palindromic sentence. I also bequeath you the following incomplete efforts, abandoned by me in the interests of my sanity:

YOU BEFILLIFEBUOY.
RED NUT FELLEFT UNDER.
NAME DAM FLESH . . H SELF-MADE MAN.

As for myself, having brought the palindrome syndrome into the open, I feel cleansed of its pernicious effect on my work. I am now giving up this frivolity and am returning to serious writing. And I'm going to do it today. Immediately. Now. Not a—

NOW. NOT A . . . A TON WON.
Hmmmh. □

A freelance writer, George Gipe lives near Glenelg, Maryland.

DAM

THE WORLD'S BEST PALINDROMES

Though the palindrome dates back to the third century B.C., the first good effort in the English language was this 17th century confession by poet John Taylor:

LEWD DID I LIVE & EVIL I DID DWEL.

And the first palindrome to top that is attributed to Napoleon. When asked in exile whether he could invade England, he reportedly replied:

ABLE WAS I ERE I SAW ELBA.

Most of the best palindromes, though, were written during the past quarter-century, and principally by three men: Leigh Mercer of London, J.A. Linton of Addlestone, Surrey, and *Games* columnist Dmitri Borgmann. Mercer is responsible for these gems:

A MAN, A PLAN, A CANAL—PANAMA!

SUMS ARE NOT SET AS A TEST ON
ERASMUS.

STRAW? NO, TOO STUPID A FAD. I PUT
SOOT ON WARTS.

Linton composed these:

MAN, EVE LET AN IRATE TAR IN AT
ELEVEN A.M.

DEIRDRE WETS ALTAR OF ST. SIMON'S—NO
MISTS, FOR AT LAST EWER DRIED.

Borgmann's best palindromes include:

MARGE LETS NORAH SEE SHARON'S
TELEGRAM.

A NEW ORDER BEGAN, A MORE ROMAN AGE
BRED ROWENA.

Also of note is James Thurber's:

HE GODDAM MAD DOG, EH?

Other languages are as suitable for palindromes, as this one in Italian shows:

EBRO È OTEL, MA AMLETO È ORBE.
(Othello is drunk, but Hamlet is blind.)

A palindrome contest in London's *New Statesman* (May 5, 1967) brought this prizewinner:

DOC NOTE, I DISSENT. A FAST NEVER PRE-
VENTS A FATNESS. I DIET ON COD.

But our all-time favorite, based on length and intelligibility, is this 21-word opus by Scottish poet Alastair Reid:

T. ELIOT, TOP BARD, NOTES PUTRID TANG
EMANATING, IS SAD. I'D ASSIGN IT A NAME:
GNAT-DIRT UPSET ON DRAB POT TOILET.

For the record, the world's longest palindrome is by Jeff Grant of Hastings, New Zealand. It contains 10,230 words and you can thank us for not printing it here. —W.S.



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UNAUTHORIZED PORTRAITS



"THE MAIM THAT
NAME GAME"

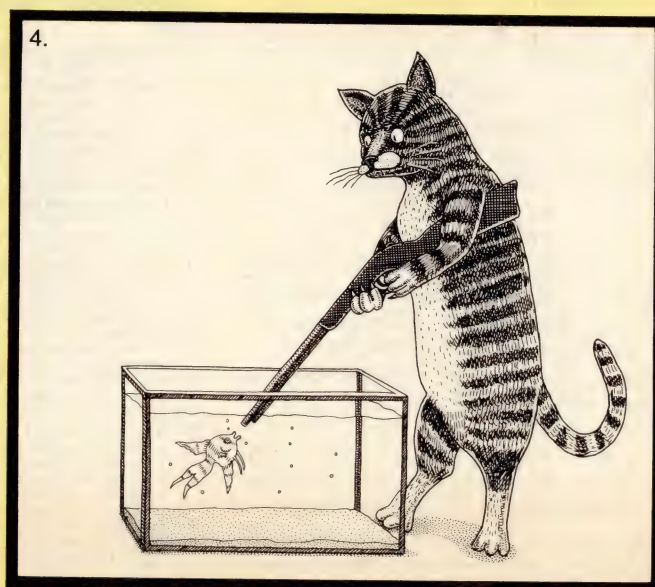
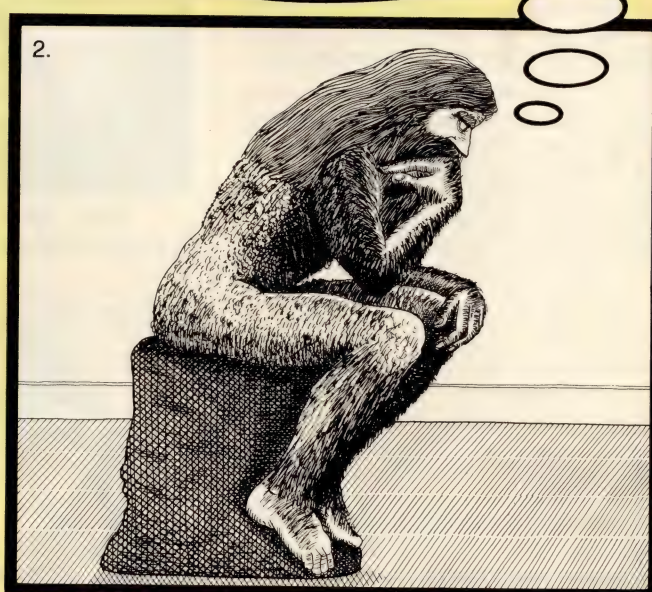
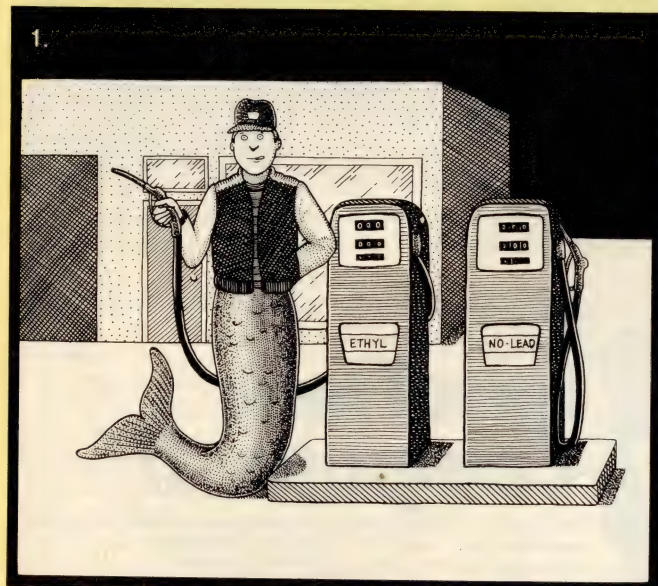
by Elliott Negin



Each of these drawings is a fanciful cartoon "signature" or rebus puzzle of a well-known person. Can you name the names?

Answer Drawer, page 62

YOU'D THINK A
FAMOUS NEWSCASTER LIKE
MYSELF WOULD KNOW ALL THESE
CELEBRITIES RIGHT OFF, BUT
THE ONLY ONE I RECOGNIZE
IS SOUPY SALES.





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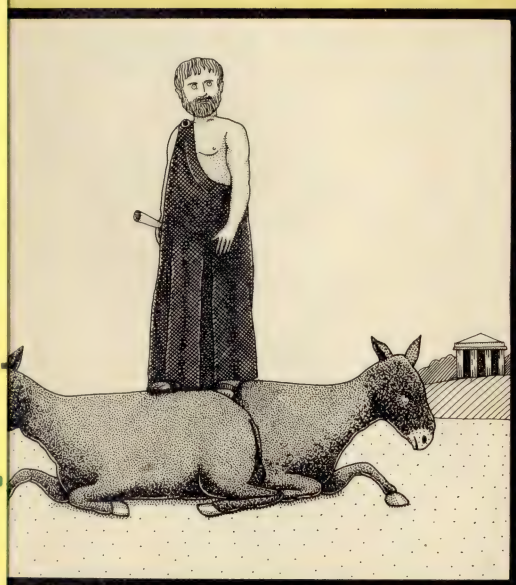
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THE END

Drawings are reprinted from the book *Celebrities Sweepstakes*, © 1979 by Elliott Negin, courtesy of Methuen, Inc.



UNAUTHORIZED PORTRAITS



"THE MAIM THAT

by Elliott

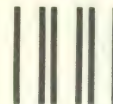
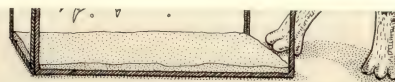
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Answer

1.



3.



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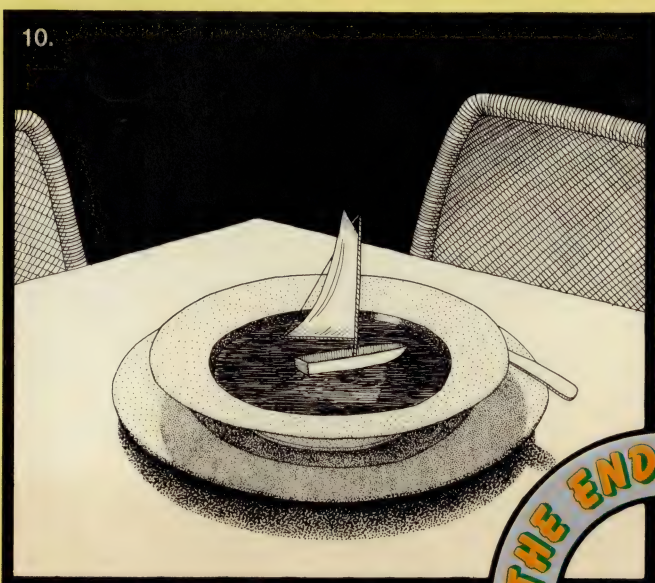
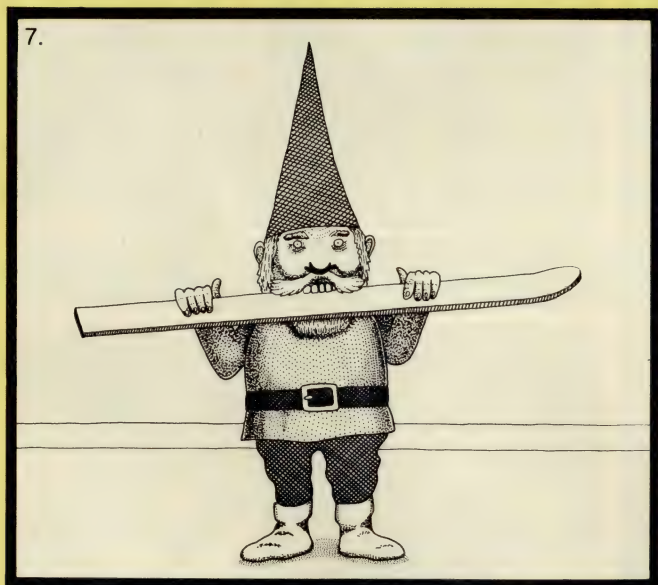
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PHOTO CRIME

STORY AND PHOTOS

★★

BY KEN ROBBINS

THE CHARLES GRABBE CASE

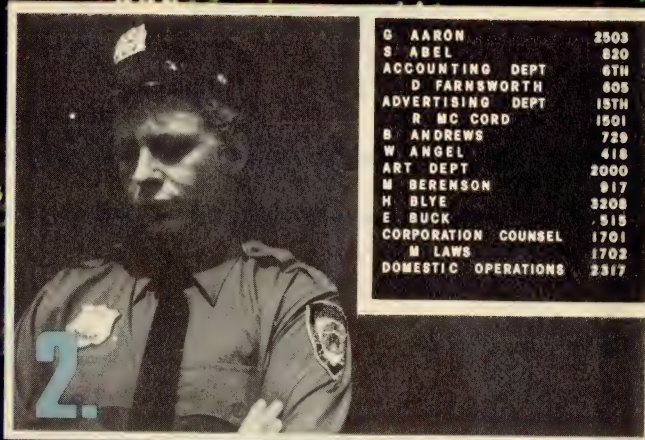
1. Grabbe Industries, a large international conglomerate, was under investigation by the S.E.C. And for the third night in a row, Grabbe's new chief accountant, Don Farnsworth, was returning to work after a quick dinner.

2. On his way in, Farnsworth passed old Iago St. Lawrence. Iago had been with the Grabbe organization for nearly 40 years, and had expected to be made chief of security by now. Asthmatic and over the hill, he still harbored hopes of promotion.

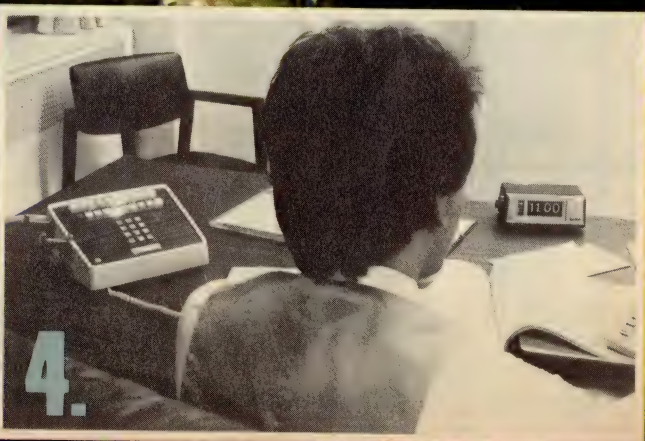
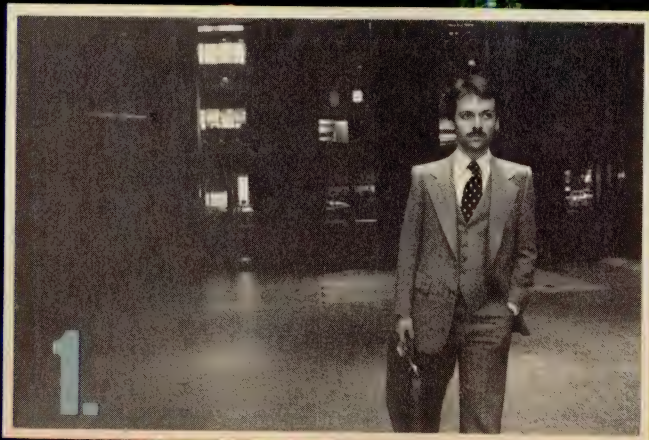
3. Grabbe himself entered the building shortly after 9 o'clock for a little late-night "dictation" with his secretary, Miss Carmen Veranda. Wonderfully obliging but, alas, unrelievedly dumb, she cherished the illusion that Grabbe intended to divorce his wife and marry her.

4. Young Farnsworth had a talent for bookkeeping, plus ruthless drive and ambition. The combination had brought him a long way fast, but his late office hours had put a strain on his marriage.

5. Grabbe and Miss Veranda were cozily ensconced in his penthouse office when the phone rang and suddenly altered his mood. He told her to get lost, and when she objected, he was regrettably frank in his appraisal of her value to him.



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6. On her way out of the elevator, Miss Veranda passed Marjorie Grabbe, a gentle woman of great forbearance and dignity. Her husband's increasingly flagrant indiscretions, however, were driving her to distraction.

7. Minutes later, Marjorie Grabbe was unfazed when she called the night watchman's desk and got no answer. Quickly redialing, she reached the building's security department and announced, in unemotional tones, that her husband had been stabbed to death.

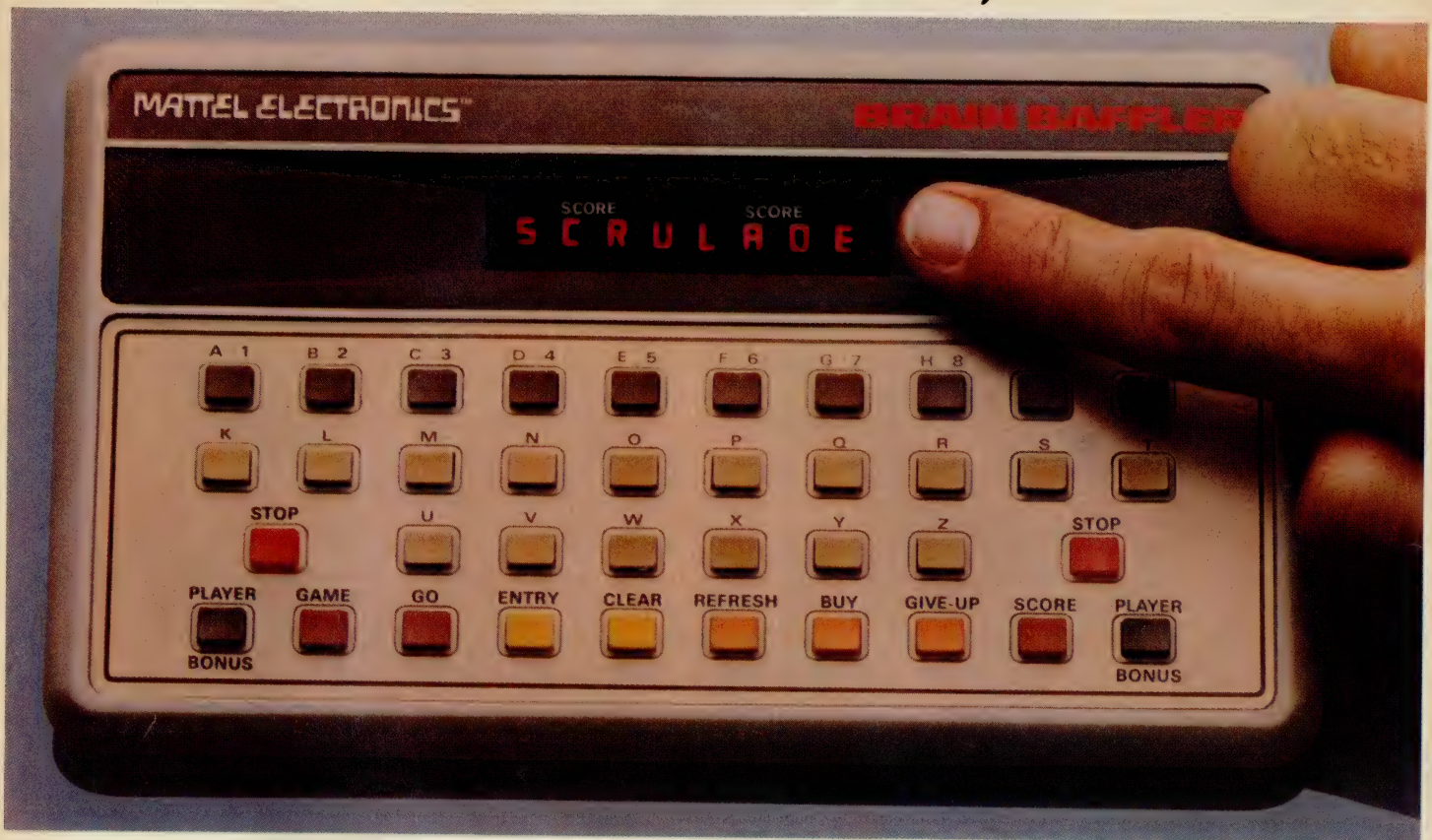
8. Farnsworth, on his way out of the elevator, was stopped by a security guard, told that there was "trouble," and challenged to explain his presence. Farnsworth said he had worked in his office until 11:30 and left directly, hoping to catch the last train to Clarksville.

Mrs. Grabbe, maintaining a calm demeanor insisted, of course, that her husband was dead when she found him. Miss Veranda, slightly more distraught when questioned, was equally insistent that he was alive when she left him. Iago St. Lawrence, the night watchman, admitted that he had left his post for a cup of coffee, but denied any knowledge of the murder. One of them was lying. Who was it?

Answer Drawer, page 62



If you can unscramble this word in ten seconds,



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the highly competitive two-player version; and, finally, *Flash Word*™ and *Third Degree Flash Word*™, two ingeniously designed contests of flashing clues and lightning-quick reactions.

Brain Baffler also possesses talents beyond game playing. It tallies each score electronically, beeps and tweets to let you know right from wrong and displays an impressive amount of built-in strategic thinking. Plus, Brain Baffler goes anywhere on one 9-volt battery (not included).

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GAMES & BOOKS

Edited by Phil Wiswell

Marrakesh, available from Xanadu Leisure, Ltd., Box 10-Q, Honolulu, HI 96816; \$39.50 includes postage and handling.

Marrakesh blends backgammon and card play in a fast, exciting, two-player game that could well become a classic.

The premise is simple: each player throws six dice and places his six men on the corresponding points on his side of the board, ready to "bear them off" as in backgammon. Hands of six cards are then dealt from a special 104-card deck, and these are played in tricks of one card from each player. The winner of a trick (determined by relative suit value) moves and/or bears off men in accordance with the numbers on the two cards, and leads face down to the next trick. The opponent then tries, through extrasensory or any other kind of perception, to match or beat the suit of the card played, unless he *wants* to lose the trick. The basic object is to bear off your six men before your opponent, with substantial bonuses for bearing off certain numbers of men on each trick won. Undoubtedly the luck of the throw and the deal of the cards has a lot to do with the outcome, but there is ample opportunity to "psyche out" an opponent with a clever strategy.

Upon first reading, the rules may seem hopelessly compli-



Photos by Roger Lee

Marrakesh: is it a board game or a card game?

cated; yet a beginner can easily learn all he needs to know by playing through a few hands with an experienced player. From then on, Marrakesh is absolutely addictive.

—S.S.

A Poor Man's Guide To Board Game Books

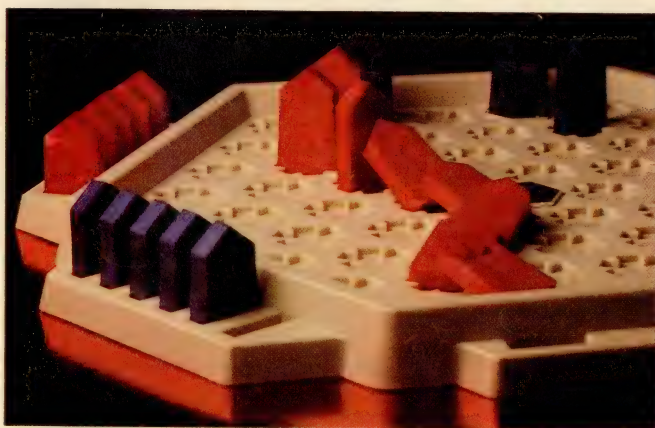
If you've been casting an envious eye on those sumptuous books of board games, here are two alternatives that—while not as handsome on the coffee table—are fun to play and easy on the bankroll. With both books, you will have to provide your own playing pieces—coins, buttons, paper clips—but that's easy enough.

take two! by Frank Tapson (Pantheon, 1977, 32 pages, large format paperback, \$3.95). Tapson's book is named for one of the 32 two-player games it presents. Some of them are historic, others are original with the author, and not all are winners. Some never end, are forced wins, or take too long to play. But there are enough good ones for the money. For example, try Square It, Pentacross, Twenty-Nine, and Alquerque. Spiral-bound cardboard pages provide a flat surface for play.

The Big Book of Board Games by Fifi Weinert and Laura Palmer (Troubador Press, 1979, 32 pages, large format paperback, \$2.95). *The Big Book of Board Games* is large in format, but with only 14 games is fairly thin. The games span the millenia from the ancient Royal Game of Ur to the comparatively recent Chinese Checkers. Some, such as backgammon and Pachisi, are well known; others, such as Awitlaknannai and Glückshaus, are happily rescued from obscurity. In a few cases, the rules are fuzzy and players will have to agree on their interpretation. The simple stapled binding allows the playing surface to remain level. And the game boards, in black and white, are designed to be colored in as you wish.

—S.S.

Topple from Kenner, around \$10.



Topple: a playful approach to domino theory.

The object of this ingenious strategy game is to construct a domino-like chain of pieces so that a mere push upon one of your two kings causes a chain reaction, "overthrowing" one of your opponent's kings.

However, Topple goes a notch beyond simple domino theory. The pieces are pointed at the top, and the angled peaks assure predictable toppling sequences. Each piece can be placed in one of three positions, allowing players to redirect a potential topple into deviously twisting routes. With Topple's subtle complexities of design and novel mechanics, we can't see why Kenner is discontinuing it.

—B.D.K.

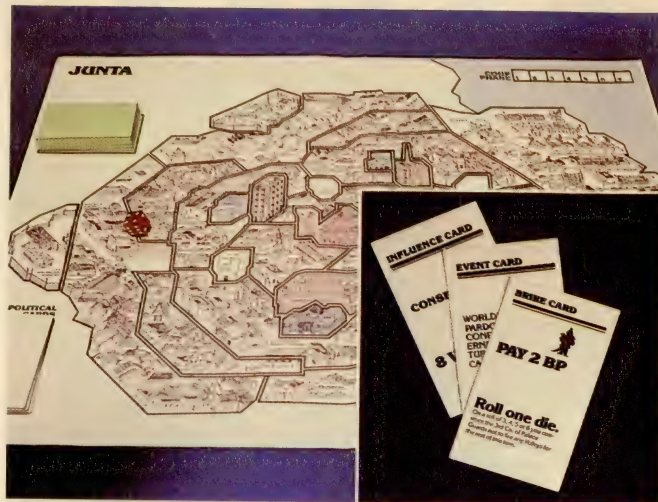
GAMES & BOOKS

Junta, available from Creative Wargames Workshop, 330 E. 6th St., New York, NY 10003; \$12.95 plus \$1.25 for postage and handling.

Junta is a military game for two to seven players that takes place in a fictitious Third World country. As the rules explain: "The government is generously supported by a superpower that asks no questions. The goal of [the players] is to siphon this generous support to their own Swiss bank accounts by intrigue, assassination, bribery, and revolution."

At the start, players receive Political Cards, which are used to make bribes, hire assassins, control events, and manipulate voting. Players then elect a President who appoints the others to government posts: Secret Police Chief, General, Admiral, or Air Force Commander. On each turn, additional cards are dealt and money is drawn by the President, who proposes a division of the loot to the other players—promising shares of the money for their support. Inevitably, the money is not distributed evenly, and short-changed players may attempt to get even by assassinating the President or by organizing a coup.

Junta has four outstanding features: 1) the rules and mechanism are simple and easily learned for a game of this type; 2) luck, strategy, and diplomacy play nearly equal parts in determining a player's fortune; 3) there is an extraordinary balance among the government positions, putting a premium on cooperation, and preventing any player or group from



Amusing touches keep Junta light-hearted.

dominating the action; and 4) the object of the game rings true in a humorous, albeit cynical way: the winner is the player with the largest Swiss bank account at the end of the game.

Although Junta can be played marathon style all day long, two hours is sufficient for a good game.

—J.A.

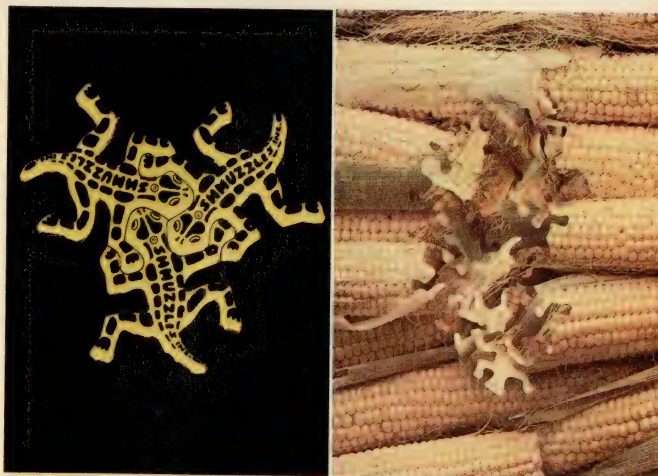
The Shmuzzle Puzzle, available from Shmuzzles, Inc., Dept. Q, P.O. Box 8499, Chicago, IL 60680; \$10 plus \$2 for postage and handling.

Jigsaw puzzlers seeking yet another form of refined madness may be pushed over the brink by the Shmuzzle Puzzle.

The pieces are all identically shaped lizards called Shlameleons (photo near right). Shlameleons tessellate; that is, each piece will always lock somewhere, somehow, into every other piece. So the pieces will fit together in millions of ways. When flipped over, they create a typical jigsaw puzzle picture; but since any piece can replace any other piece, that pretty picture is always threatened by chaos (photo far right).

The manufacturer includes in the package a rather entertaining mathematical explanation of the nature of Shlameleons and the art of tessellation, and provides designs for you to duplicate if and when you tire of the jigsaw aspect of shmuzzling. Difficult perhaps, but definitely shmascinating.

—B.D.K.



Shmuzzle Puzzle: a two-sided, tessellating jigsaw puzzle.

The Encyclopedia of Tarot, Volume I by Stuart Kaplan (Available from U.S. Games Systems, Inc., 38 E. 32nd St., New York, NY 10016; 1978, 404 pages, hardcover, \$18.95 plus \$2.50 for postage and handling).

Tarot cards, the predecessors of our standard 52-card deck, date back before recorded history, and for centuries their uses have ranged from fortune telling to spiritual development and meditation. The author of this, the most comprehensive work on the subject yet published, is one of the country's leading experts on Tarot and its symbolism. His first of two volumes is the product of five years and 20,000 manuscript pages, and it is itself several books in one.

For the newcomer, Kaplan has written a complete and clear introduction to the Tarot, giving meanings for all 72 cards and

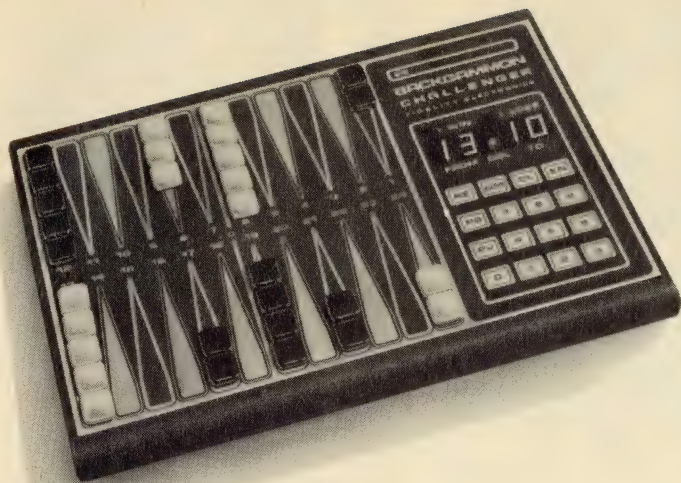
many ways to use them: For those wishing to explore the symbolic aspects of the deck, he explains the astrological correspondences of the cards and their connections with the Kabbalah and other mystical teachings. There's a detailed history woven throughout, an extensive index, and an annotated bibliography of 1,700 books, articles, and sources of further information. The book is richly illustrated with 3,200 photographs (most of them black and white) of Tarot cards from Kaplan's private collection of more than 250 decks. Among these are cards created by Dali, Dürer, Holbein, and other artists who were interested in the mystical and allegorical themes of Tarot.

All said, it's hard to imagine what Volume II could possibly contain.

—Donna Cunningham,
editor of *Starcraft Horoscope Yearbook*

The only one to own

Gammon Gambit



From Fidelity—king of the encounter games—comes the most challenging gammon computer you can own or give... and you can, for so very little.

There is something to be said for the universal popularity of Backgammon. Its origins have been traced back 3000 years before Rome.

For most of us, the sum total of this rich history amounts to hours of stimulating play. For the aficionado, it presents an encounter of skill and challenge enmeshed in strategies that have been polished to an art after centuries of practice.

It's no wonder, then, that some of America's finest electronic engineers have sought to put the magic of Backgammon onto a tiny, solid state computer chip. Until recently, the ability of capturing the mathematical complexity of the game, without it costing a small fortune, was near impossible. But, Fidelity engineers have finally done it.

Total Enjoyment

For every enthusiast who has ever moved a tile across a gammon board, the Fidelity Backgammon Challenger is the most exciting and complete electronic game imaginable. Apart from being an exceptional value—we planned it that way—its extraordinary microprocessor brain is pre-programmed with a phenomenal amount of gammon mastery and flexibility.

Play is Easy

Fidelity's success with its chess and bridge games is, in part, its ease of game control. You don't have to become an electronic genius to enjoy their units. In fact, common sense keyboard inscriptions put you in command in minutes.

The Backgammon Challenger is a fascinating teacher as well as an intriguing opponent. You are not restricted to a specific method of play. While some games dictate that the computer roll the dice, the Challenger gives you 3 options:

- You can roll a real pair of dice for yourself, while the computer rolls its own, "dice," for itself.
- Or, you can roll for yourself and the computer.
- Or, it can roll for you and itself.

This flexibility is not available on other, even costlier, games.

Of course, it can double

The doubling cube is very much a part of the Challenger's logic. If, during the action, it feels that it has the edge, it will double the stakes. If you have already done so, it knows to surrender or accept the cube. If it accepts, it quite naturally, can redouble at its own discretion. A tiny red lamp lights to indicate cube possession.

Position Verification

The PV key may be used anytime during the game to display the doubling cube's value. This key is also used to verify stone positions on the field.

Scoring is shown at the end of a game. The Challenger automatically accumulates scores until it is turned off.

It knows the rules

The Fidelity game is exceptionally cunning. It plays a fine backgame and employs duplication and diversification strategies. Its blocking defenses, alone, present an invaluable education for any player. But, it won't permit wrong doing—on either your part or its own. Along with the vast libraries of knowledge that have been fed into its brain, are all the rules that govern regulation play.

Problem Solving

With the Challenger, you can set up specific encounters and then watch how the computer handles them. You can even switch places with it, mid-game, to see how it would carry on with your play.



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The Challenger is an unusually affordable, intelligent game. Its comfortable half inch square tiles are magnetized to stay where you place them on the scratch proof mylar table. This set is mounted in a simulated wood-grained housing which measures 12 $\frac{1}{8}$ " x 8" x 1". It operates on 110V household current. Bright, half inch tall LED electronic digits provide unmistakably clear readout. It is backed by a 90-day manufacturer's limited parts and labor warranty.

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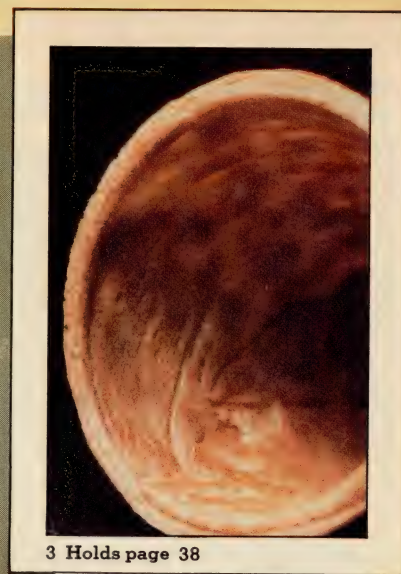
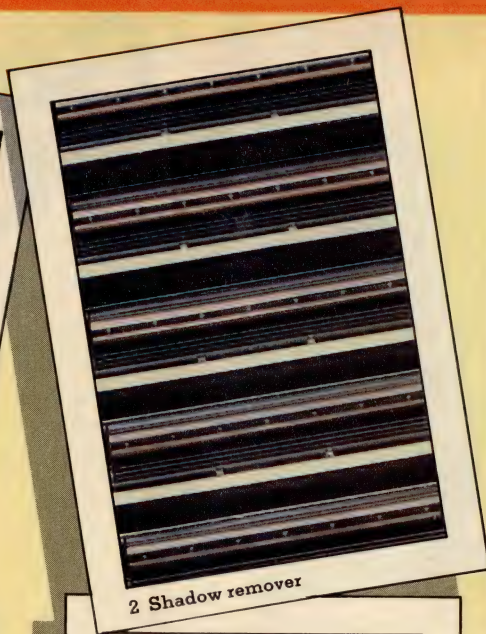
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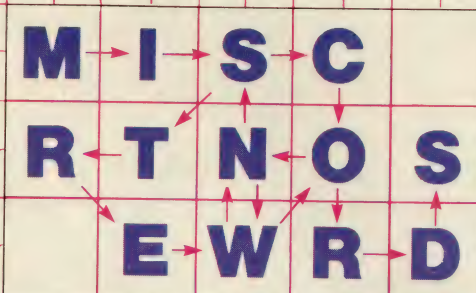
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MISCONSTREWN WORDS

Pack any of our three quotations into as small a rectangular grid as possible.



The object of these three contests is to take a quotation we have provided and place its letters in as small a rectangular grid as possible, so that the quotation can be read by moving from letter to adjacent letter within the grid. For example, if we gave you the quotation from *Hamlet*, "To be, or not to be," you might come up with this 3 x 3 grid as your answer:

	R	N	
	T	O	B
	T	E	

Starting at the circled T, it is possible to move from letter to adjacent letter, in any direction (including diagonally), and spell out the quotation; therefore, this would be a valid solution.

As the example illustrates, you can use a letter over and over. You cannot, however, use a letter twice in suc-

cession—that is, a single letter in the grid cannot stand for two consecutive letters in the quotation. So, this grid had to contain two adjacent Ts because there are two consecutive Ts in the quotation ("not to"). On the other hand, when you have a letter adjacent to itself in the grid, you can go back and forth between the two; thus, "A tall llama" could be represented by the following 2 x 3 grid:

M	
T	A
L	L

In creating your grid, ignore all punctuation and capitalization in the quotation.

Entering To enter any of these contests, fill out the appropriate entry blank(s) and attach a separate sheet of paper showing your grid, with a cir-

cle drawn around the letter that begins the quotation. On your entry blank, and also on the reverse side of your envelope, enter the two elements of your score: (i) the size of the smallest rectangle into which your grid fits (3 x 3 = 9 in the case of the first example; 2 x 3 = 6 in the second example); and (ii) the total number of letters in your grid (in the examples given, 7 and 5, respectively). You may enter any or all of the contests, and you may enter as often as you wish; but you must mail each entry to each contest under separate cover.

Winning The winning entry will be the one with the grid that fits into the rectangle with the smallest area. In case of a tie, the tying entry with the fewest letters used in the grid will be the winner. Remaining ties, if any, will be broken by random drawing. Entries must be received no later than June 2, 1980. All entries become the property of *Games Magazine*.

The Quotations The three quotations to be used in Misconstrewn Words I, II, and III, respectively, are: a quotation from Oscar Wilde; a stanza of Lewis Carroll's nonsense poem, "Jabberwocky"; and the preamble to the *U.S. Constitution*.

Misconstrewn Words I

Work is the refuge of people who have nothing better to do.

Grid size: ____ x ____ = ____

Number of letters ____

Name _____

Street Address _____

City _____ State _____ Zip _____

Misconstrewn Words II

Beware the Jabberwock, my son!
The jaws that bite, the claws that catch!

Beware the Jubjub bird, and shun
The frumious Bandersnatch!

Grid size: ____ x ____ = ____

Number of letters ____

Name _____

Street Address _____

City _____ State _____ Zip _____

Misconstrewn Words III

We the People of the United States, in Order to form a more perfect Union, establish Justice, insure domestic Tranquility, provide for the common defence, promote the general Welfare, and secure the Blessings of Liberty to ourselves and our Posterity, do ordain and establish this Constitution for the United States of America.

Grid size: ____ x ____ = ____

Number of letters ____

Name _____

Street Address _____

City _____ State _____ Zip _____

Clip or copy these coupons, attach grid, and mail to:

Misconstrewn Words (I, II, or III), *Games Magazine*, 515 Madison Avenue, New York, NY 10022. Entries must be received by June 2, 1980.

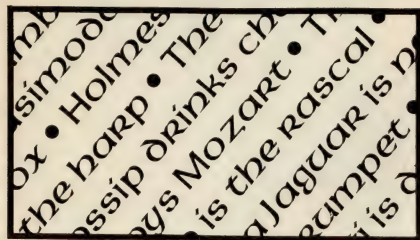


Those first steps just walked into a couple of hearts a thousand miles away. And the next thing you know, out of that endless string of gibberish will come something that sounds like "grandma" or "grandpa," especially to grandma or grandpa. Magic times. Times worth sharing. Remember, no matter how far away your family or family of friends may be, you can always reach out and touch them.



Reach out and touch someone.

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With apologies to the myth, we have dubbed this elegant puzzle **THE ORACLE'S REVENGE**, noting its vengeance upon countless thinkers, scholars, and other fools who ask more questions than a wise computer can answer. Gracefully en-scribed and non-computerlike, the 16"x20" parchment is perfect for framing. (Separately included answers are secured from accidental peeking.)

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CONTEST RESULTS

from January/February

Balderdash

The "Balderdash" Contests provided three different tests of skill using the International Morse Code, with *Webster's Third New International Dictionary* (Unabridged) as the dictionary of record. The three grand prize winners, chosen in each contest by random drawing from among a group of entries with the same winning solution, will receive a Motobecane "50VLC" Moped. The four runners-up in each contest will receive a *Games* T-shirt.

I. Words with most dots in a row, most dashes in a row

Winner: Kyle Corbin, Raleigh, NC.

Solution: "Dot" Word DISSEISEES

Morse Code — • • / • • / • • / • • /

"Dash" Word BOTTOMMOST

Morse Code — • • / — — — / — /

— — — / • • / —

Score: 21 + 15 = 36

Runners-up: Ernst Theimer, Rumson, NJ; Edward S. Dermon, Roslyn Heights, NY; George Marotta, Dayton, NJ; Al Owens, Bowie, MD.

II. Longest sequence of dots/dashes standing for two different words

Winner: E. Rentmeesters, Mountain View, CA.

Solution: Words CHLOROPHYLLINS, CHLOROPHYLLITES

Morse Code — • • / • • • • /

• — • • / — — — / • • • • / — — — /

• — • • / • • • • / • • • • / • • • • /

Score: 48

Runners-up: Frank Rubin, Wappingers Falls, NY; Michael S. Wolfberg, Concord, MA; Daniel Pratt, Laurel, MD; Sandra K. Bright, Lincoln NE.

III. Longest palindromic sequence of dots/dashes standing for any word

Winner: Michael Wolfberg, Concord, MA.

Solution: Word RAPHAELISQUE

Morse Code • — • / • — / • — — • /

• — • / • — / • — • • • / • • • • /

• — • • / • — • /

Score: 32

Runners-up: Donald R. Woods, Mountain View, CA; John C. Hallyburton, Jr., Northboro, MA; Frank Rubin, Wappingers Falls, NY; Loreen Stryker, Paradise, CA.

—R.W.S.

Calendar Uprising

For their cleverness in renaming the months of the year, the twelve winners in our "Calendar Uprising" Contest will be immortalized, along with their winning entries, in the 1981 *Games* calendar. Each winner will also receive twelve copies of the calendar.

For January: KICKOFF, in honor of the new year and the bowl games (submitted by Bill Marshall, Boston, MA).

February: BASHFUL, for Cupid and the fact that February only leaps out once every four years (Robert Kiernan, South Setauket, NY).

March: LIMB, the best of many variations on the "comes in like a lion, goes out like a lamb" theme (Gladys Eckhouse, Pensacola, FL).

April: ZAP, because if April Fools doesn't get you, the IRS will (Kim McDaniel, Cambria, CA).

May: WILL, the reason being that in this age of positive thinking and assertiveness, we should change "may" to "will" (Nicholas Morse, Brookline, MA).

June: NUPTUARY, in honor of marriage (Merrily Smith, Chester, NY).

July: FLAMBOSIA, because it has a certain *je ne sais quoi* (Charles Skelley, Jr., South Gate, CA).

August: ODYSSEUS, after the man who took the ultimate summer vacation (Susan Katz Hoffman, Randolph, MA).

September: GRAVITY, for the beginning of fall (Gary Robinson, Norfolk, VA).

October: SPOOKIBOO, for Halloween (Larry Crimmins, Phoenix, AZ).

November: STUFFAGUT, in honor of Thanksgiving (Jim Randle, Eugene, OR).

December: SANTAGIMMEE, for obvious reasons (Eileen Krakower, Brooklyn, NY).

—J.A.

Hidden Contest

from March/April

The hidden contest announced in the March/April Table of Contents was the "Secret Message" crossword puzzle on page 41. The answer to the puzzle appears on page 64 of this issue. Winners will be announced in the July/August *Games*.

—R.W.S.



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ANSWER DRAWER



Page 6 Letters

Stating the Case The first sentence conceals Hartford, Connecticut; the second, Frankfort, Kentucky; and the third, Boise, Idaho.

Poetic License X QQQ ME belongs to Steve Martin.

Re: Morse and Balderdash Ms. Miller's answer to Thomas Edison, happily, was "Yes!" The first paragraph of Mary Hunt's letter translates as follows: "Thank you for your wish for good luck surrounding the entry coupons for the Balderdash contest!" The words "good luck" in Morse Code ran continuously along the tops and bottoms of the coupons.

10 Call Our Bluff

The phonies are the Bell Fisher, Love Darts, and the Hooded Periwinkle.

18 Word Alchemy

1. Cross words
2. Cap able
3. To get her
4. Disc over
5. Quarter back
6. Deli berate
7. Imp act
8. Sat, I ate
9. Bar gaining
10. Pump kin

48 Unauthorized Portraits

1. Ethel Merman
2. Harry Reasoner
3. Fatty Arbuckle
4. Catfish Hunter
5. Monty Hall
6. Peter Graves
7. Noam Chomsky
8. Aristotle Onassis
9. W.C. Fields
10. Soupy Sales

50 Photocrime

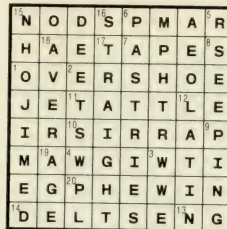
Farnsworth was lying.

Going over the books of Grabbe Industries, Farnsworth discovered the reason for the S.E.C. investigation. He came across hard evidence that Charles Grabbe had been diverting millions of dollars of corporate funds to his own bank account. At 11 P.M., Farnsworth called Grabbe (note the clock in picture 4 and the 11 o'clock news show in picture 5) and "requested" a meeting, saying that he knew Grabbe was an embezzler. Grabbe dismissed Miss Veranda and the two men had their showdown in Grabbe's office. Farnsworth demanded \$500,000 to keep his mouth shut, but Grabbe only laughed in his face and threatened to have him "eliminated." The accountant panicked and stabbed the boss with a letter opener.

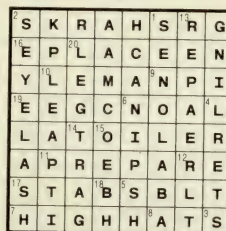
Farnsworth left in a hurry, of course, barely avoiding Mrs. Grabbe, who arrived moments later. His statement that he was leaving directly from his office was what incriminated him, since he was stopped coming out of an elevator that serviced floors 11-35 (see picture 8) while his own office was on the sixth floor (see the directory in picture 2). Confronted with this contradiction, Farnsworth confessed.

(Background photo courtesy Free Lance Photographers Guild.)

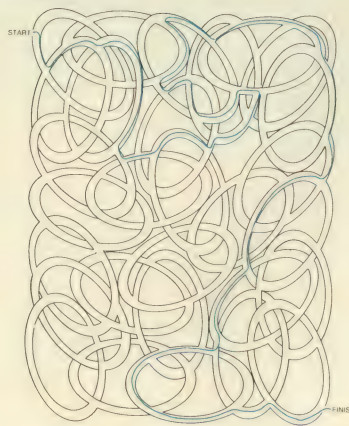
21 Helter-Skelter #1



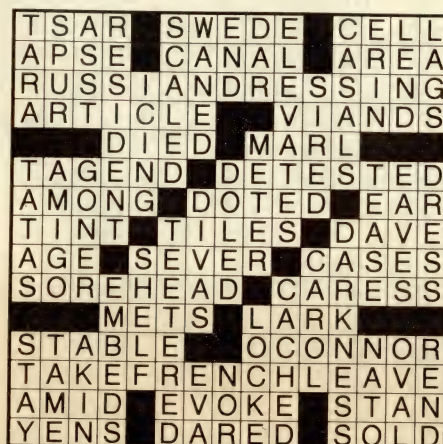
21 Helter-Skelter #2



22 Ring Maze



23 Foreign Accent



23 Odd Couples

- | | | |
|-----------|-----------|-------------|
| 1. Penn | 7. Luce | 12. Lillie |
| 2. Marx | 8. Crabbe | 13. Pidgeon |
| 3. Woolf | 9. Baer | 14. Pitts |
| 4. Pyle | 10. Hart | 15. Fischer |
| 5. Welles | 11. Caine | 16. Dali |
| 6. Wilde | | |

Acknowledgments to Mary Ann Madden and *New York* magazine.

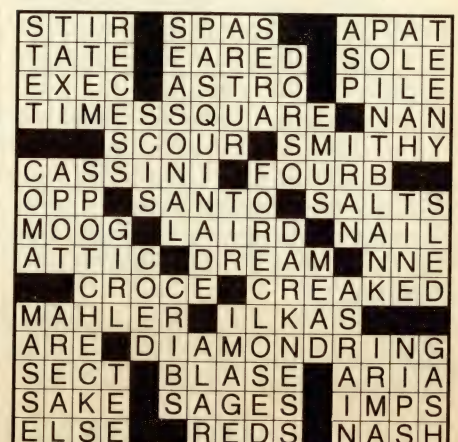
24 Dszquhsbnt!

1. CRYPTOON. "Oh, so this is Clifton! Glad to meet you. I've noticed you in our budget for some time."
2. ON THE HOOF. The word "tenderfoot" was originally applied to cows raised in a corral and then turned out on the range.
3. A FRIEND IN NEED. Worth noting: It is only when the cold season comes that we know the pine and cypress to be evergreens.
4. SEE YOU LATER, ALLIGATOR. Winston Churchill defined an appeaser as one who feeds a crocodile, hoping it will eat him last.
5. YOU DON'T MEAN HE WAS CANNED? Florida joke: My brother-in-law was fired from his job at the orange juice factory. They said he couldn't concentrate.
6. TWELVE BY TWELVE. Quotation from Bennett Cerf: Gross ignorance is one hundred forty-four times worse than ordinary ignorance.
7. SUPERSTITION. The opal is reputed to be unlucky. Long ago, Orientals believed the opal was alive and had a soul because of its changing colors.

25 Mental Blocks

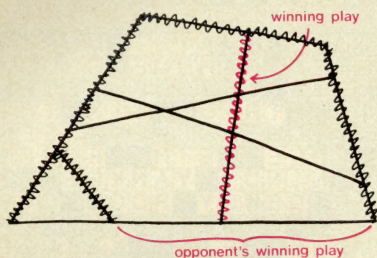
- | | |
|-----------|-----------|
| 1. SNOUT | 2. SAINT |
| FUNGUS | INSTANT |
| UNUSUAL | HEARTEN |
| STUNNING | ANTENNA |
| NUISANCE | ANNOTATE |
| SOUNDNESS | ENTERTAIN |

25 Sign Language

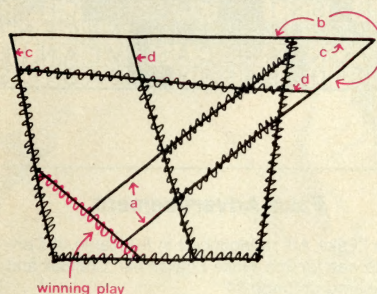


28 Last Ditch

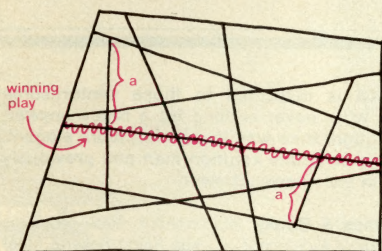
1. **Ground Tactics.** Fill the ditch shown in red and eight plays will remain—the last one yours. If you fill (or allow your opponent to fill) the ditch shown with a bracket, you will lose.



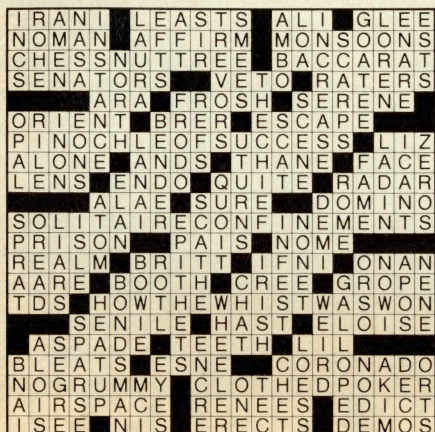
2. **At the Root of the Problem.** Fill the ditch shown in red and then follow this strategy: Whatever ditch your opponent fills, fill the identically lettered one that remains. The last play, of course, is yours.



3. **Trench Warfare.** This is really the easiest puzzle of the three. Fill the ditch that runs across the middle, dividing the playing field into two equivalent parts. Then no matter what ditch your opponent fills on one side, you fill the one symmetrically situated on the other side. If your opponent, for example, plays at one of the bracketed lines marked "a," you should play at the other. The last turn will be yours. (And when you set up a playing field, be careful that you don't let this happen to you.)



37 Gamesmanship



26 Assembly Line Blues

The defective items are as follows:

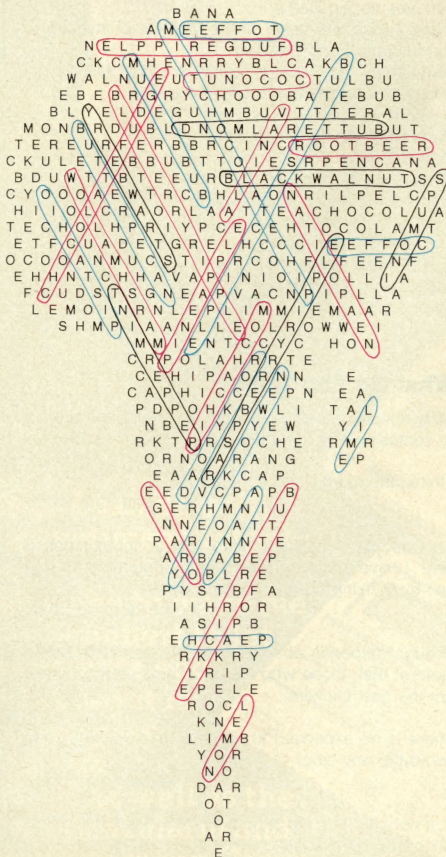
1. Fourth and sixth
2. First
3. Second, fourth, and fifth
4. None
5. Third
6. Fifth
7. Second and seventh
8. Fourth
9. First
10. Second, third, and sixth
11. Seventh
12. Sixth
13. None
14. Third and fifth
15. Second and sixth
16. Fourth
17. First, second, and seventh

Score 1 point for each defect you spotted, and subtract 1 point for each good item you thought was defective.

Performance Ratings:

- 25: Employee of the Month award
- 21-24: Incentive bonus is scheduled
- 18-20: You met your quota
- 15-17: First warning from management
- 11-14: Ralph Nader is investigating complaints
- 7-10: No more liquid lunches at Harry's Bar
- 1-6: Congratulations, you've been replaced by a machine

38 31 Flavors



44 Pictionary

1. Hourglass
2. Sombrero
3. Basilica
4. Kidney
5. Decanter
6. Griffin
7. Oboe
8. Clipper
9. Festoon
10. Venus's-flytrap
11. Piranha
12. Wolverine

39 Cryptic Warmup Puzzle

ACROSS

1. LEVER. *Reversal* clue. LEVER ("a bar") is REVEL ("to make merry") spelled backwards. The words "when returning" indicate the reversal.
4. ALLOY. *Anagram* clue. The word LOYAL anagrammed (presented "unusually") makes ALLOY ("brass, for example").
5. TITAN. *Container* clue. IT inside ("held by") TAN ("a light brown") makes TITAN ("giant").

DOWN

1. LEAST. *Homophone* clue. LEAST ("that which is smallest") sounds the same as LEASED ("rented"). The homophone is indicated by the words "we hear."
2. VALET. *Charade* clue. VALET ("servant") is VA (the abbreviation for Virginia) plus LET ("gave permission").
3. RAYON. *Concealed word* clue. RAYON ("fabric") is concealed in "GRAY ONLY." The concealment is indicated by the words "available in."

39 Cryptic Crossword

ACROSS

1. Tuba (abut)
3. Ego booster (bores, e.g., too)
10. Morocco (m + roccoco)
11. Animate (an + l + mate)
12. *Kramer vs. Kramer* (remark + s.v. + remark)
14. Eldest (cruEL DESTiny)
16. Hitherto (hit + her + to)
19. Ellipsis (lies slip)
20. Asleep (as + peel)
22. Air conditioner (doctrine no I)
26. Mancini (mini + can)
27. Asserts (a + stress)
28. Sneak thief (thinks a fee)
29. Rein (rain)

DOWN

1. Timekeeper (Peter Ike me)
2. Burma (a.m. + rub; reference is to Burma Shave)
4. Groove (go over)
5. Black tie (black + Thai)
6. Ouija (oui + ja)
7. To a degree (toad + e.g. + reef - f)
8. Reed (deer)
9. Screws up (two meanings)
13. Comparison (come - e + Paris + on)
15. Dalliance (d + alliance)
17. Hastiest (hat + sties)
18. Fiendish (finished)
21. Pirate (p + irate)
23. Crick (two meanings)
24. Norse (Nero's)
25. Xmas (Sam + X)

40 Double Cross

- | | |
|------------------|----------------|
| A. CIAO | N. LITIGATION |
| B. HOODS | O. INVOLUNTARY |
| C. RADIOS | P. NARCISSISM |
| D. INCONSISTENT | Q. APHRODITE |
| E. STIGMATISM | R. DIGNIFIED |
| F. HOSEA | S. AMALGAMATE |
| G. OPPORTUNISTIC | T. YUGOSLAVIA |
| H. BLAMELESS | U. SENSATIONAL |
| I. STOAT | V. WHOLESOME |
| J. OFFENDING | W. OCCUPATION |
| K. NOTORIETY | X. RODEO |
| L. APPEARANCE | Y. KINGFISHER |
| M. LYCANTHROPE | |

A Dallas physician has a big, tasteful arrangement of imitation greenery in his waiting room. Only on close inspection does an admiring patient discover that the plastic foliage simulates poison ivy, poison sumac, and poison oak. The doctor is, of course, a dermatologist.

—Chris Hobson, *All in a Day's Work* (from *Reader's Digest*)

41 Cross Math #1

7	+	8	÷	5	=3
+		÷		-	
6	÷	2	×	3	=9
-		×		+	
9	-	1	÷	4	=2
=4	=4	=6			

41 Cross Math #2

2	×	5	-	6	=4
-		+		÷	
1	+	8	÷	3	=3
+		-		×	
7	+	9	÷	4	=4
=8	=4	=8			

41 Cross of Math #3

4	÷	2	+	6	=8
×		+		-	
3	+	7	÷	5	=2
-		-		+	
9	×	1	-	8	=1
=3	=8	=9			

41 Bloomers

RESTORE LUCK SCAB ABRADES
 ALLOWED UPON CAME DENTINE
 PEONIES PINECONE AND TASSEL
 INTEND SUNFLOWER ASH AME
 DAS GIVES ELYSIAM CUBIC
 EIN BRIS LUCRE VARLET
 CAB GROSSO PAGAN HARNESS
 ARIAN LEAD ARCANES ACES
 RETRADE GIDDIER SINUS PFC
 GETSSET UNIONS SEGOS RITO
 OLE HASTA ART REL BALL
 RAIL ERODE TRAM RETRIED
 AARON IRONER RIGORS WORDS
 SPONGES SAMS ELECT SIST
 SHOE LOB API CEDED ERE
 NIT SALEM AMANDA ORDERED
 SDS MIDGE ORANGES GALLOPS
 SINE RAVENS MIAW ELSIE
 SETTLES GLENS INROAD ENL
 PUREES ZEBRA CAT SOL
 ADITS ERAL IRS MODAL DIA
 NOD OWN CARNATION MILERS
 GREATHR DODENDRON POLICES
 LANKILY ARES LAUD ADAMANT
 ESTATES WENT ELSE RECEDES

56 Eyeball Benders

- 1 Cap on tea kettle spout
- 2 Twin blade razor cartridge
- 3 Ice cream cone
- 4 Parking meter
- 5 Screwdrivers
- 6 Thong sandal
- 7 Roll-on deodorant
- 8 Car cigarette lighter

Cover Illustration

The mothers and fathers shown on the cover are:

Old Mother Hubbard
 Ma and Pa Kettle
 Mother Jones
 Dumbo's Mother, Mrs. Jumbo
 Papa Hemingway
 William Powell in *Life with Father*
 Joan Crawford, a.k.a. "Mommie Dearest"
 The Mamas and the Papas
 Robert Young, *Father Knows Best*
 Moms Mabley
 Big Daddy Lipscomb
 Daddy Warbucks
 George Washington, The Father of Our Country
 Whistler's Mother
 The Fairy Godmother in *Cinderella*
 Mother of Pearl
 The Old Woman (She's in the shoe.)
 The Holy Father
 Miss Lillian, the "First Mother"
 Mama and Papa Bear
 Burl Ives as Big Daddy
 Frank Zappa, the father of the Mothers of Invention
 Mammy and Pappy Yokum
 Bing Crosby as Father O'Malley in *Going My Way*
 Peggy Wood in *I Remember Mama*
 Popcorn
 Marlon Brando as The Godfather
 Mother Goose
 "Pop Goes the Weasel!"
 Fred Astaire as Daddy Longlegs
 Necessity, the mother of Invention
 Al Jolson's "Mammy"
 Earl "Fatha" Hines
 Father Time with Ma Bell
 (We count 41 in all.)

What Do You Think?

Sixty minutes of thinking of any kind is bound to lead to confusion and unhappiness. —James Thurber

I think, therefore, I am a mustache.

—Jean-Paul Sartre

Few people think more than two or three times a year. I have made an international reputation for myself by thinking once or twice a week.

—George Bernard Shaw

Thought depends absolutely on the stomach, but in spite of that, those who have the best stomachs are not the best thinkers.

—Voltaire

There is no expedient to which a man will not go to avoid the real labor of thinking.

—Thomas Alva Edison

It is not best that we should all think alike; it is difference of opinion which makes horse races.

—Mark Twain

It isn't what people think that's important, but the reason they think what they think.

—Eugene Ionesco

The no-mind not-thinks no-thoughts about no-things.

—Buddha

We think in generalities, we live in detail.

—Alfred North Whitehead

Hidden Contest: Secret Message from March/April

The offer in the shaded squares is withdrawn upon publication of this issue. No solutions postmarked after April 1, 1980, will be accepted. Winners' names will appear in the July/August issue.

PUDDLE MAIST MOSES
 ARERED HANDME CHUCK
 GAMEIS IF YOURS ISTHE
 ELIA TRIO SIX TOI
 1ST RIGH TANSWER PEEN
 YORE ETH FORDS
 ABS NINON YANKEE
 LEAF DEWEY ROOM CDE
 MANE WEGETFROMYOUR
 OTTERS ETA KEEPER
 STATE PROVINCE GULA
 TYS MOAN SKIRT GLEN
 WITHIN SAVOR ART
 ABBOT ORS INKY
 TREK ORNATION YOU WIN
 TOR SKI OPUS CHOO
 AGAMESTSHIRT ASCENT
 CATON ARECAS MEANIE
 KNEAD SASSY BASICS

Fake Advertisement

The "Fake Ad" announced in the Table of Contents was for The White Englishman Cocktail and appeared on page 34.

EUREKA

EUREKA is dedicated to those venturesome spirits who, never settling for a ready answer, have fought their way to a better, more elegant, or more complete solution than one previously given in the Answer Drawer.

★ **Games & Books** (March/April, page 54). Lois Kaufman of Flossmoor, IL, has found several other common words in the "Big Boggle" grid: GENERALIST (longer than any word we listed), LASSO, MORASS, PRES-TO, RENTS, RESIST, SAFER, Arlene Mickolajczyk of Passaic, NJ, added SIFTS, SISTER, TINGE, and UNSAFE. And Jamie Moog of East Patchogue, NY, found CASSINO, CASTS, COASTS, DUNTS, EOSIN, GENERA, GENRE, LIFTS, MAIST, MASTS, MORNIS, NITER, NOTER, REFASTEN, RIFER, RIFTS, and STEPS, as well as numerous words that differed from ours only in inflection.

★ **Beguilers** (January/February, page 10). A number of readers have found alternative ways of filling in the Magic Square so that each of the four rows, four columns, and two long diagonals adds up to either 18 or zero. (The top row and left column of the square were given.) The following solutions were submitted by Sheila Martell of Dedham, MA; Amy Harold of Milford, CT; and Roy D. Peak of Aurora, CO.

1 9 8 0	1 9 8 0	1 9 8 0
9 0 0 9	9 6 0 3	9 1 0 8
8 0 9 1	8 0 3 7	8 0 8 2
0 9 1 8	0 3 7 8	0 8 2 8

The last thing I do with my Casio calculator is calculate.



There are so many different things I can do with my new ML-71 calculator, that sometimes I forget why I bought it in the first place.

Its melody alarm plays Mendelssohn to wake me up in the morning; its timer plays Schubert to let me know exactly when my three-minute egg is ready; its calendar tells me what day it is; and its 11-note musical scale lets me play away the time while I wait for the bus.

In fact, the credit card size ML-71 as well as the new ML-81 (with an additional musical alarm and new vibrant musical tone) combine so many Casio innovations, that it's hard to imagine that they're really calculators.

Of course, it's even harder to imagine where my day would be without them.

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5 mg. "tar", 0.4 mg. nicotine av. per cigarette, FTC Report Jan. 1980.